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TITLE: The Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL®) Program: Creating Opportunities for Minority HBCU Students"

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14. ABSTRACT This research training program proposes to create opportunities and promote prostate cancer (CaP) research careers for minority HBCU students through the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program. Within this reporting period, 29 minority students applied to participate in the ReTOOL program and five students were accepted in 2012. The students participated in didactic and experiential CaP research training from May 3 – July 27, 2012 within the scientific environment of the University of Florida (UF) Shands Cancer Center. The training program ended on July 27 with the ReTOOL Annual Research Showcase, which included poster and oral presentations by the ReTOOL students. The scientific achievements for this reporting period included: 17 presentations, 3 publications in press, 2 extramural grant submissions based on the ReTOOL program and 1 award. Currently, we are interviewing students for the 2013 research training program.					
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I. INTRODUCTION

There is a need to develop a cadre of racially and ethnically diverse, well-trained scientists to: (1) increase the capacity for scientific research among underserved populations; (2) address cultural appropriateness of the conceptualization, design and implementation of research ideas; (3) effectively and respectfully deliver health care interventions for diverse populations; and (4) eliminate health disparities. To achieve our long-term goal of increasing the pool of minority prostate cancer (CaP) researchers, the primary objective of this program is to develop, promote and sustain an independent, competitive CaP research training program that creates opportunities and promotes careers in CaP research for minority HBCU students through the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program. For the reporting period of February 15, 2012 to February 14, 2012, five minority students from Florida A&M University were trained by UF scientists within the scientific environment of the UF Shands Cancer Center.

II. BODY

The primary aims for this program are:

- Specific Aim 1: Support the research training of five FAMU undergraduate students annually for two years within the scientific environment of the UF Shands Cancer Center.
- Specific Aim 2: Provide continuous career development support for 10 FAMU students for the purpose of creating opportunities and fostering careers focused on eliminating CaP disparities.

A summary of the activities for this reporting period are summarized next.

II.a. ReTOOL Research Training Program (Specific Aim 1)

Three tasks were outlined to achieve the first aim of supporting the research training of five FAMU undergraduate students. All the three tasks outlined were accomplished for this reporting period. It is important to note that prior to starting the ReTOOL program the PI (Dr. Odedina) was promoted from directing the minority and community outreach activities for the UF Prostate Disease Center to directing the health disparities program for the UF Shands Cancer Center. Thus, the ReTOOL program was moved from the UF Prostate Disease Center to the UF Shands Cancer Center. This significantly improved the scientific resources and pool of mentors available to ReTOOL students.

Task 1. Trainee Recruitment: The recruitment of trainees for the 2012 ReTOOL cohort took place between February 15, 2012 and March 15, 2012. First, the ReTOOL information brochures and flyers (see Appendix I), and program application materials (see Appendix II) were finalized in February. Subsequently, the program promotional materials, application materials, and summary expertise of mentors were posted on the ReTOOL program website (<http://retool.cop.ufl.edu/>). The program was promoted at FAMU through the FAMUINFO e-mail service, FAMU TV, FAMU Radio, mailings and posters to relevant disciplines, and direct e-mails to potential applicants. Dr. Renee Reams (FAMU faculty advisor) also conducted

personal recruitment of outstanding students through several programs, including the FAMU Student Research Forum. The annual ReTOOL program workshop was held at FAMU from February 26 to 27, 2012. The workshop involved several classroom sessions throughout the College of Arts and Sciences and was structured to allow students to have their questions answered directly by the program manager (Ms. Shannon Pressey). The ReTOOL program was also featured at the FAMU Graduate Programs Recruitment Fair where students of all majors were given the opportunity to learn about the training program. The workshop was organized by Dr. Reams (FAMU faculty advisor) and coordinated by Ms. Pressey (program manager). Given the short timeline for the recruitment (since the award began on February 15, 2012), the ReTOOL program Director (Dr. Odedina) and the UF faculty mentors were unable to attend the 2012 workshop.

The recruitment of ReTOOL trainees for the 2013 cohort began in November 2012. The program promotional materials, application materials, and summary expertise of mentors were updated and posted on the program website. Similar to the 2012 recruitment efforts, the program was promoted at FAMU. The annual ReTOOL program workshop is scheduled for March 2013.

Task 2. Selection of Trainees: The ReTOOL application for the 2012 cohort was due on March 15, 2012. In spite of the short recruitment period for the 2012 cohort, 17 competitive applications were received. Table 1 provides a list of the race, academic year, discipline, GPA and research interest of the 2012 applicants. Following the review of student applications by all program key personnel, each mentor selected up to three students to interview as a potential mentee match. A steering committee comprising the program Director (Dr. Odedina), program manager (Ms. Pressey), FAMU faculty advisor (Dr. Reams) and a UF mentor interviewed each applicant selected for interview. Using the ReTOOL student interview evaluation form (see Appendix III), all interviewers evaluated each student interviewed and forwarded their evaluation to each mentor. The UF mentors selected the candidate they would like to work with and the program Director (Dr. Odedina) notified the successful applicants on April 9, 2012. The names, race, academic year, discipline, GPA, research interest and mentor of the 2012 cohort are provided in Table 2.

Table 1. 2012 ReTOOL Applicants				
Race	Academic Year	Discipline	GPA	Research Interest
Black	Senior	Pharmacy	3.05	Biomedical Sciences
Black	Sophomore	Biology	3.1	Population Sciences
Black	Senior	Biochemistry	3.24	Biomedical Sciences
Black	Senior	Chemistry	3.05	Biomedical Sciences
Black	Junior	Chemistry	3.65	Biomedical Sciences
Black	Freshman	Pre-Pharmacy	3.06	Biomedical Sciences
Black	Senior	Chemistry	2.77	Biomedical Sciences
Black	Junior	Biology	3.2	Clinical Sciences
Black	Junior	Pharmacy	2.98	Clinical Sciences
Black	Senior	Psychology	3.93	Population Sciences
Black	Senior	Pharmacy	3.15	Clinical Sciences
Black	Junior	Biology	2.96	Biomedical Sciences
Black	Senior	Pharmacy	2.86	Population Sciences
Black	Freshman	Pre-Pharmacy	3.18	Biomedical Sciences
Black	Senior	Criminal Justice	3.27	Population Sciences

Black	Senior	Pharmacy	3.63	Biomedical Sciences		
Black	Senior	Pharmacy	3.54	Clinical Sciences		
Table 2. 2012 ReTOOL Mentees						
Name	Race	Academic Year	Discipline	GPA	Research Interest	UF Mentor
Stephanie Alexis	Black	Sophomore	Biology	3.05	Population Sciences	Dr. Henrietta Logan
Danielle Anderson	Black	Senior	Biochemistry	3.24	Biomedical Sciences	Dr. Yehia Daaka
Tamieka Atkinson	Black	Junior	Chemistry	3.65	Biomedical Sciences	Dr. Zhongzhen Nie
Kacy Flowers	Black	Junior	Biology	3.2	Clinical Sciences	Dr. Philipp Dahm
Chloe Martin	Black	Senior	Psychology	3.93	Population Sciences	Dr. Folakemi Odedina

Task 3. Career Development and Summer Research Training Program at UF: To orient the students to the ReTOOL program, an orientation packet (see Appendix IV) was sent to all successful applicants in April 2012. The students were required to acknowledge receipt of the orientation package by signing an acknowledgement form due to the program manager prior to arriving at UF on May 3, 2012. The 2012 ReTOOL program calendar is provided in Table 3 below.

Table 3. ReTOOL Summer 2012 Program Calendar	
May 3, 2012	Program Begins - Students Resume to UF
May 4 – 5, 2012	Attend Florida Prostate Cancer Research Symposium, Orlando, Florida
May 7 – 8, 2012	ReTOOL Program Orientation <i>Tour of the UF Cancer Center, Health Sciences library, and other UF resources; Meetings with mentors; Obtain ID badges and parking permits; Tour of the Gainesville community.</i>
May 8 – 10, 2012	ReTOOL Didactic Training
May 11, 2012	ReTOOL Didactic Training Exam
May 11, 2012	ReTOOL Program Welcome Reception (4 – 6 pm)
	Key Note: Dr. Paul Okunieff, Professor & Director, UFSCC
May 14 – June 29, 2012	Experiential Training with ReTOOL Faculty Mentor Weekly Community Outreach Experiences
July 2 – 6, 2012	ReTOOL Summer Break
July 9 – 26, 2012	Experiential Training with ReTOOL Faculty Mentor Weekly Community Outreach Experiences
July 27, 2012	Program ReTOOL Annual Research Award Ceremony <i>Poster and Podium Presentations by Trainees</i>

The 2012 ReTOOL trainees arrived at UF on May 3, 2012 and were met by Ms. Pressey (program manager) who checked them into their on-campus housing units. Their research experiences started by attending the **1st Annual Florida Prostate Cancer Research Symposium** held in Orlando, Florida May 4 – 5, 2012 (see Appendix V for the agenda). During the symposium, four of the students met with their mentors (Dr. Yehia Daaka, Dr. Zhongzhen Nie, Dr. Folakemi Odedina, and Dr. Philipp Dahm) for the first time. Dr. Henrietta Logan (Stephanie

Alexis' mentor) did not attend the symposium. Attending the symposium provided the ReTOOL students the opportunity to meet and network with leading prostate cancer scientists in Florida. In addition, the students were assigned to one of the following three poster presentations to present during the symposium under the supervision of Ms. Pressey (program manager):

1. Prostate Health Disparities Research Agenda for Florida: Statewide Research Emphases and Objectives;
2. The NCI-EGRP Supported Prostate Cancer Transatlantic Consortium (CaPTC): Addressing Global Prostate Cancer Disparities; and
3. The Science of Global Prostate Cancer in Men of African Ancestry.

A pictorial summary of the student activities at the symposium is provided in Appendix VI.

The program orientation for the ReTOOL program was conducted by Ms Pressey (program manager) on May 7, and included: (1) tour of the UF Cancer Center, the Health Sciences library, and other UF resources; (2) face-to-face meeting with mentor; (3) obtaining UF ID badges and parking permits; and (4) tour of the Gainesville community, including shopping malls and supermarkets.

The ReTOOL didactic training program was held from May 8 to May 10 (see Table 4 for a summary of the classes). On May 10, all ReTOOL students were required to take a comprehensive exam comprising two sections: a general section for all students and a specialized section tailored to the research area of each student. The exam was developed from questions submitted by all mentors. All students were required to pass the exam (70% minimum) prior to starting the experiential training. All the students passed the exam on first trial. Following the didactic training program, a Welcome Reception attended by all mentors and students was held on May 11, 2012 (see Appendix VII for the agenda).

Table 4. ReTOOL Didactic Training Program Schedule			
	Tuesday, May 8, 2012	Wednesday, May 9, 2012	Thursday, May 10, 2012
8:00-9:00am	Journal Club: ReTOOL Tool Box – Shannon Pressey, MS CGRC room 491	Disparities in Health in America Dr. Folakemi Odedina	Establishing and Maintaining a Successful Mentor-Mentee Relationship Dr. Folakemi Odedina
9:00 – 10:00am			
10:00-11:00am	Molecular Prostate Cancer Biology and Basic Sciences Principles Dr. Yehia Daaka CGRC room 491	Cultural Competency Workshops UF CC Program	No assigned class
11:00-12:00noon			
12:00-1:00pm	Lunch Break		
1:00-2:00pm	Genetic Markers and Polymorphisms in Prostate Cancer Dr. Zhongzhen Nie CGRC room 491	Socio-psychological Factors Related to Prostate Cancer Dr. Folakemi Odedina	ReTOOL Exam
2:00-3:00pm			
3:00-4:00pm	Prostate Cancer: Epidemiology, Diagnostic Evaluation and Treatment Dr. Philipp Dahm	Ethical Issues in Research – Shannon Pressey, MS	
4:00-5:00pm			

***** ReTOOL weekly seminar will take place Fridays at 1:00pm.**

The experiential training of the ReTOOL program began on May 14 and ended on July 27. The students' experiences with their mentors included: Structured one-on-one mentoring; Independent reading; Hands-on research experiences; Research and educational meetings; Scientific writing and research dissemination; and Interactions with established scientists, networking, and peer linkages. In addition, the students participated in weekly research seminars (see Table 5). During the seminar, the students had a chance to interact one-on-one with leading cancer scientists and community leaders. In addition, they presented and received feedback on their summer research projects.

A unique characteristic of the ReTOOL program is the required community engagement and outreach activities component. Under the supervision of Dr. Nancy Hardt, the students participated in weekly community outreach activities through the UF Mobile Health program and the Health Street program. The students also volunteered at the Florida Africa American Men's Health Summit in Orlando, Florida on June 16, 2012. This annual summit focuses on prostate cancer education and workshop and was attended by over 3,000 Black men. The students set up and staffed the UF Prostate Cancer Research program booth, providing information to the summit participants on prostate cancer prevention and control. Finally, Chloe Martin (Dr. Odedina's mentee) attended an American Cancer Society Man-to-Man program in July to disseminate her study results in the community.

Table 5. ReTOOL Program Weekly Seminar Schedule		
Date	Topic	Speaker
May 18	Preparing for and Surviving Graduate School	Mrs. Olihe Okoro (Minority Graduate Student)
May 25	Advocacy for Prostate Cancer	Mr. Sam Gaddy
June 1	Implementing Successful Outreach Program	Shannon Pressey, MS
June 8	UF Graduate Program: Opportunities for Minority Students	Laurence B. Alexander, J.D., Ph.D.
June 15	Scientific writing and dissemination	Dr. Henrietta Logan Dr. Elizabeth Pomery
June 22	Literature search strategies	Rae Jesano MSLS, AHI
June 29	GRE Tips Student Presentation	Shannon Pressey, MS Tamieka Atkinson (student)
July 6: ReTOOL Summer Break		
July 13	Student Presentations	Stephanie Alexis (student) Danielle Anderson (student)
July 20	Student Presentations	Kacy Flowers (student) Chloe Martin (student)

The ReTOOL on-site training program ended on Friday, July 27 with the ReTOOL Annual Research Showcase (see Appendix VIII for the announcement flier). The research showcase program is provided in Table 6 below. The research projects presented by the students are summarized in Table 7 below. The students' poster and oral presentations were judged by: (1) Dr. Paul Okunieff, Director of UF Shands Cancer Center; (2) Dr. Richard Segal, Chairperson of Department of Pharmaceutical Policy and Outcomes; and (3) Dr. Nancy Hardt, professor of the UF Department of Pathology.

The ReTOOL Award Ceremony was very well attended by UF researchers and family members of the ReTOOL trainees. The FAMU faculty advisor (Dr. Reams) also attended the research showcase and award ceremony. The judges acknowledged that it was a tough decision to choose the top two students. The 2012 Research Showcase 1st place winner was Ms. Tamioka Atkinson and the 2nd place winner was Ms. Chloe Martin. A copy of the plaques received by the students is provided in Appendix IX.

To document their last two weeks experiences, each of the ReTOOL students were provided with a disposable camera and instructed to conduct a PhotoVoice narrative of their last two weeks in the program. The narratives of the students are provided in Appendix X.

Table 6. ReTOOL Program Research Showcase Program	
DOD Prostate Cancer Research Program Award W81XWH-12-1-0083 ReTOOL Program Research Showcase Friday, July 27, 2012	
8:00am - 9:00am	Students Report to Display Posters HPNP Building, Atrium Area
9:00am – 11:00am	Judges May Begin Evaluating Posters (Students must be present by their poster at all times)
11:00am – 11:30am	Poster Removal
11:30am – 12:30pm	Lunch Served in the Atrium Area, HPNP Building
1:00pm – 2:15pm	Oral Presentations – HPNP Building Room G316 [10 mins presentation followed by 5 mins Q&A]
	1:00pm – 1:10pm Kacy Flowers
	1:15pm - 1:25pm Danielle Anderson
	1:30pm – 1:40pm Stephanie Alexis
	1:45pm – 2:00pm Chloe Martin
	2:05pm – 2:15pm Tamioka Atkinson
2:20pm – 2:30pm	Judges Deliberations
2:30pm	Award Presentations

Table 7. ReTOOL Students Research Projects		
Student	Research Project Title	Mentor
Kacy Flowers	“Participation of African American Men in Prostate Cancer Randomized Control Trials”	Dr. Philipp Dahm
Danielle Anderson	“Analysis of the Relative Expression of Various Genes in Prostate and Kidney Cell Lines”	Dr. Yehia Daaka
Stephanie Alexis	“The Use of Technology Among Minorities”	Dr. Henrietta Logan
Chloe Martin	“A Systematic Evaluation of the Prostate Cancer Interventions”	Dr. Folakemi Odedina
Tamioka Atkinson	“The Effect of G Protein-Coupled Receptor Kinase 5 (GRK5) on Migration in PC3, DU145, and LNCaP Prostate Cancer Cell Lines”	Dr. Zhongzhen Nie

II.b. Continuous Career Development (Specific Aim 2)

The second specific aim for this program is to: *Provide continuous career development support for FAMU students for the purpose of creating opportunities and fostering careers focused on eliminating CaP disparities.* The task outlined to achieve this aim, extended mentorship and trainee tracking, was accomplished for this reporting period.

Task 4. Extended Mentorship and Trainee Tracking: The UF mentors continue to work with their respective mentees for continuous mentoring and to disseminate the scientific findings from their summer research projects as presentations at professional meetings and publications in peer-reviewed journals. Communications between mentors and mentees have been facilitated by consistent e-mail correspondents. Since the summer training program, one of the mentees (Chloe Martin) has had face-to-face meeting with her mentor at an international conference. In addition, the FAMU faculty (Dr. Reams) meets with the four students who are currently enrolled at FAMU at least once each semester.

During this reporting period, a baseline student survey (Appendix XI) and follow-up survey (Appendix XII) were conducted to evaluate and continuously improve the ReTOOL program. In addition, a mentor survey (Appendix XIII and Appendix XIV) was conducted for program feedback from the mentors. The program evaluation rating was on a scale of 1 to 5, with 5 being the best. The 2012 ReTOOL program ratings by students and mentors are provided in Tables 8 and 9 respectively. Some of the comments provided by the mentors and mentees are provided in Table 10.

Table 8. Students Ratings of ReTOOL Program	
Program Evaluation Items	Average Ratings (5 being the Best)
The preparatory courses provided during the program.	4.25
The research training experiences provided by the program.	4.75
Your interactions with your mentor.	4.25
The quality of the mentoring experiences.	4.75
Overall satisfaction with the training program.	4.25
The quality of the training program.	4.75
My community outreach experiences.	3.75
The ability of the program to prepare me for career in the area of prostate cancer.	4.5
Communications with ReTOOL program mentor, director or staff.	4.5
The stipend provided for the ReTOOL program.	4.5

Table 9. Mentors Ratings of ReTOOL Program	
Program Evaluation Items	Average Ratings (5 being the Best)
The preparatory courses provided to students during the program.	3
The research training experiences provided to the students.	4.5
Your interactions with your mentee(s).	4.5
The quality of the mentor-mentee relationship.	4.5
Overall satisfaction with your mentee(s).	4
The quality of the training program.	4
The ability of the program to prepare my mentee(s) for career in the area of prostate cancer.	3.5
Communications with my mentee(s).	2.5

Table 10. 2012 ReTOOL Program Mentors' and Mentees' Comments		
	Mentees' Comments	Mentors' Comments
What did you like best about the ReTOOL program and why?	<p>"...going to work every day with my mentor. I liked it best because I was able to see first-hand how every day research looks like."</p> <p>"The research was of great quality and I learned a number of lab techniques that I can incorporate into my further education."</p> <p>"The best part about the program was my hands on research experience working with live cells and learning the techniques of the confocal microscope."</p>	<p>"Interaction with mentees."</p> <p>"Daily interaction with mentees."</p>
What did you like least about the ReTOOL program and why?	<p>"I wish I would have recorded the amount of community outreach hours I completed so that I could use them in different applications. I also wish that we (the students) would have received some type of graduation certificate from our training that we would be able to use in the future to demonstrate to future employers, graduate schools, and research labs that we have been trained as future leaders in the field and that our continued study of prostate cancer is something that is supported and condoned by the ReTOOL program."</p>	<p>"Too short and could be extended."</p>
How has the ReTOOL program impacted you?	<p>"..it has taught me what research really is. Also it has taught me that there is more than one way to do research";</p> <p>"It has allowed me to see the need for research in Prostate cancer and the need for minorities doing this research."</p> <p>"Due to the quality research that I was able to conduct in the program, I have not only been able to attend prestigious research conferences but also have been awarded."</p>	<p>"Interaction with other scientists who were mentors.";</p> <p>"Rewarding opportunity to teach and mentor minority students in the field of prostate cancer."</p>

Based on the follow-up student survey, the current status of the 2012 ReTOOL alumni is summarized below.

1. Kacy Flowers:

- Currently enrolled at FAMU and will graduate in Spring of 2013.
- Presented her ReTOOL research project at the 2012 FAMU Annual Research Forum, Tallahassee, Florida.
- Presented her ReTOOL research project at the Annual Biomedical Research Conference for Minority Students, San Jose California.
- Selected to participate on a medical mission trip to Guyana.
- One publication in progress, in collaboration with her mentor, Dr. Philipp Dahm.

2. Danielle Anderson:

- Presented her ReTOOL research project at the 2012 FAMU Annual Research Forum, Tallahassee, Florida.
- Admitted into a Master's of Science in Biochemistry program at FAMU and will graduate in 2014.

3. **Stephanie Alexis**

- Currently enrolled at FAMU and will graduate in Spring of 2014.
- Presented her ReTOOL research project at the 2012 FAMU Annual Research Forum, Tallahassee, Florida.
- Presented at the 3rd Annual Florida Undergraduate Research Conference (2013), University of Florida, Gainesville, Florida.

4. **Chloe Martin**

- Accepted to a PhD program at Howard University, majoring in Personality Psychology and is anticipating graduation in 2018.
- Presented her ReTOOL research project at the 2012 FAMU Annual Research Forum, Tallahassee, Florida.
- Presented ReTOOL project at an international conference, the 2nd Biennial Science of Prostate Cancer Disparities conference in Nassau, The Bahamas.
- Two publications in progress in collaboration with mentor (Dr. Folakemi Odedina).

5. **Tamieka Atkinson**

- Currently enrolled at FAMU and will graduate in Spring of 2014.
- Presented her ReTOOL research project at the 2012 FAMU Annual Research Forum, Tallahassee, Florida.
- Presented her ReTOOL research project at the Annual Biomedical Research Conference for Minority Students, San Jose California.
- Received the 2012 Annual Biomedical Research Conference for Minority Students (ABRCMS) Presentation Award for Cancer Biology sponsored by Memorial Sloan Kettering Cancer Center (http://www.abrcms.org/documents/Final_2012_ABRCMS_Awardees2_000.pdf).
- Presented her ReTOOL research project at the Emerging Researchers National Conference in STEM, Washington DC.

The UF Survey Research Center will continue to track trainees through bi-annual surveys for five years. It is worthwhile to note that the 2012 ReTOOL alumni have been instrumental in recruiting outstanding applicants for the 2013 cohort.

III. KEY RESEARCH ACCOMPLISHMENTS

The key research accomplishments for this reporting period are summarized for each of the specific aims below.

IIIa. Accomplishments for Specific Aim 1.

Specific Aim 1 is to “*Support the research training of five FAMU undergraduate students annually for two years.*” The expected outcomes for this aim are: (1) Establishment of a research training program focused on CaP; (2) 10 FAMU students who are committed to eliminating CaP disparities through research; (3) 10 completed projects by FAMU students under the supervision of UF scientists; (4) Minimum of five peer-reviewed abstracts presented at national/international conferences; (5) Minimum of five peer-reviewed publications; and (6) One community report annually to disseminate findings of trainees to the lay public.

The key research accomplishments for specific aim 1 are:

1. Establishment of the ReTOOL research training program within the Department of Radiation Oncology, UF College of Medicine. The official website for the program is <http://retool.cop.ufl.edu/>.
2. Admission of the first set of ReTOOL students, 5 FAMU students who expressed interest in eliminating CaP disparities through research, for the 2012 program.
3. The ReTOOL students completed five research projects under the supervision of UF scientists.
4. Five peer-reviewed abstracts presented at national (4) and international conferences (1).
5. Three peer-reviewed publications in progress.

III.b. Accomplishments for Specific Aim 2.

Specific Aim 2 is to *“Provide continuous career development support for 10 FAMU students for the purpose of creating opportunities and fostering careers focused on eliminating CaP disparities.”* The expected outcome for this aim is a pipeline of future minority students that will lead to a competitive pool of underrepresented minorities poised to become the next generation of CaP clinicians and/or scientists. The key accomplishment within this reporting period is a cohort of five underrepresented minorities who received didactic and experiential training in CaP research. Two of the five students have been admitted to graduate school and expressed interest in continuing to conduct CaP research. The remaining three students are still enrolled at FAMU; two are interested in graduate school and one is interested in going to medical school.

IV. REPORTABLE OUTCOMES

The reportable outcomes are summarized for presentations, publications, grant submissions, grants funded and awards below. The ReTOOL students’ names are in bold font.

Presentations / Published Abstracts

1. **Martin, CM.** Prostate Cancer Interventions for Black Men. Oral discussion at the American Cancer Society Man-to-Man group, July 2012. Gainesville, Florida.
2. **Martin, CM.** A Systematic Evaluation of the Prostate Cancer Interventions for Black Men. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Folakemi Odedina).
3. **Martin, CM.** A Systematic Evaluation of the Prostate Cancer Interventions for Black Men. Poster presented at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.

4. **Martin CM**, Pressey SA, and Odedina FT. A Systematic Evaluation of the Prostate Cancer Interventions for Black Men. Poster presented at the 2nd Biennial Science of Global Prostate Cancer Disparities in Black Men Conference, November 2012. Nassau, Bahamas.
5. **Flowers, K.** “Participation of African American Men in Prostate Cancer Randomized Control Trials”. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Philipp Dahm).
6. **Flowers, K.** “Participation of African American Men in Prostate Cancer Randomized Control Trials”. Poster presented at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.
7. **Kacy Flowers**, Dr. Joseph Pugh MD, Dr. Philipp Dahm MD. The Participation of Black Men in Randomized Controlled Trials of Prostate Cancer. Oral presentation, 2012 Annual Biomedical Research Conference for Minority Students (ABRCMS), San Jose, California, USA, November 9, 2012.
8. Joseph Pugh MD, **Kacy Flowers**, Molly Neuberger, Folakemi Odedina PhD, Scott Gilbert MD and Philipp Dahm MD. Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. 60th Annual James C. Kimbrough Urological Seminar, Society of Government Service Urologist, January 21, 2013, Kimbrough in Honolulu, HI.
9. Joseph Pugh MD, **Kacy Flowers**, Molly Neuberger, Folakemi Odedina PhD, Scott Gilbert MD and Philipp Dahm MD. Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. Southeastern Section of the American Urological Association, March 14, 2013, Williamsburg, VA.
10. Joseph Pugh MD, **Kacy Flowers**, Molly M. Neuberger, Folakemi Odedina PhD, Johannes Vieweg MD, Scott Gilbert MD and Philipp Dahm MD. Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. American Urological Association, May 4, 2013, San Diego, CA.
11. **Anderson, D.** “Analysis of the Relative Expression of Various Genes in Prostate and Kidney Cell Lines”. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Yehia Daaka).
12. **Anderson, D.** “Analysis of the Relative Expression of Various Genes in Prostate and Kidney Cell Lines”. Poster presented at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.
13. **Alexis, S.** “The Use of Technology Among Minorities”. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Henrietta Logan).

14. **Alexis, S.** “The Use of Technology Among Minorities”. Oral presentation at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.
15. **Alexis, S.** “The Use of Technology Among Minorities”. Oral presentation at the Florida Undergraduate Research Conference, February 22-23, 2013. Gainesville, Florida.
16. **Atkinson, T.** “The Effect of G Protein-Coupled Receptor Kinase 5 (GRK5) on Migration in PC3, DU145, and LNCaP Prostate Cancer Cell Lines”. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Zhongzhen Nie).
17. **Atkinson, T.** “The Effect of G Protein-Coupled Receptor Kinase 5 (GRK5) on Migration in PC3, DU145, and LNCaP Prostate Cancer Cell Lines”. Poster presented at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.

Peer-Reviewed Publications (in progress)

1. **Martin CM**, Pressey SA, and Odedina FT. Prostate Cancer Interventions for Black Men: A Status Report. In Progress for submission to the Journal of National Medical Association.
2. Odedina FT, Pressey SA, and **Martin CM**. Development and testing of the “WORD on Prostate Cancer” Educational Video for Black men. In Progress for submission to the Patient Education and Counseling journal.
3. Joseph Pugh MD, **Kacy Flowers**, Molly Neuberger, Folakemi Odedina PhD, Scott Gilbert MD and Philipp Dahm MD. Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. In Progress for submission to the Journal of the National Cancer Institute.

Extramural Grants Submitted

Odedina (PI)

10/1/2013 - 9/30/2017

NIH/ National Cancer Institute P20 Grant

The Minority Oncology Research Education (MORE) Program: Diversifying Workforce

The primary objective of the University of Florida (UF)-Florida A&M University (FAMU) P20 application is to develop a **Minority Oncology Research Education (MORE)** program that will expand our outstanding cancer research and cancer education opportunities for minority faculty and students at FAMU and UF, and ultimately grow the number of under-represented scientists and clinical investigators in higher education and academic leadership. Our application focuses on enhancing cancer research collaborations among UF and FAMU scientists, and creating a new oncology certificate program that would inform and culturally sensitize students of the need to

reduce the disproportionate cancer burden in minority populations through basic, clinical, and behavioral research. If funded, the UF-FAMU MORE program will be the first NCI Minority Institution/Cancer Center Partnership focused on cancer research and education in Florida.

Role: Principal Investigator (15%); Amount \$742,820

The MORE program builds on the UF-FAMU ReTOOL program and will expand the prostate cancer research training program to provide cancer research training and cancer education for FAMU faculty, UF minority students, and FAMU minority students.

Odedina (PI)

12/1/2013 - 11/30/2018

NIH/ National Institute on Minority Health and Health Disparities T37 Grant

Global Oncology Research Training Opportunities for Outstanding Leaders Program

To achieve our long-term goal of increasing the pool of minority cancer researchers, our primary objective is to develop, promote and sustain an independent, competitive global cancer research training program that creates opportunities and promotes careers in oncology for minority students through the ***Global Oncology Research Training Opportunities for Outstanding Leaders (ReTOOL) Program***. The following specific aims are proposed for the Global ReTOOL program: (1) Support the research training of 8 undergraduate and graduate students annually for five years within the scientific environment of the University of Florida (UF) and international institutions in Africa, the Caribbean, and Europe; (2) Provide continuous career development support for 40 students for the purpose of creating opportunities and fostering careers focused on eliminating cancer disparities; and (3) Establish the efficacy of the Global Oncology ReTOOL program in creating opportunities for and fostering cancer research careers.

Role: Principal Investigator (8.8%); Amount \$1,341,680

The Global Oncology ReTOOL program builds on the UF-FAMU ReTOOL program and will expand the prostate cancer research training program to provide international cancer research training in Africa and the Caribbean for Florida minority undergraduate and graduate students.

Honors, Awards, and Recognition

Tamieka Atkinson: Received the 2012 Annual Biomedical Research Conference for Minority Students (ABRCMS) Presentation Award for Cancer Biology sponsored by Memorial Sloan Kettering Cancer Center.

(http://www.abrcms.org/documents/Final_2012_ABRCMS_Awardees2_000.pdf).

V. CONCLUSIONS

The primary objective of this UF-FAMU ReTOOL Program is to develop, promote and sustain an independent, competitive CaP research training program that creates opportunities and promotes careers in CaP research for minority HBCU students. Our ultimate goal is to grow the number of underrepresented minority scientists and clinical investigators in higher education and academic leadership. The ReTOOL program was proposed in response to the need for a cadre of racially and ethnically diverse, well-trained cancer scientists in Florida who can: (1) increase the capacity for scientific research focused on underserved populations; (2) address cultural appropriateness of research conceptualization, design and implementation; (3) provide culturally

appropriate cancer prevention, screening and treatment strategies to diverse populations; and (4) effectively and respectfully deliver interventions to eliminate cancer disparities.¹⁻³ During this reporting period, *we addressed the following barriers that have been documented in the literature for underrepresented minority scientists to create opportunities and promote careers in cancer research:* lack of committed role models;⁴ inadequate mentoring;⁵ insufficient preparation;⁴ low expectations;⁴ and lack of familiarity with scientific culture and idioms.⁴ These barriers were addressed through didactic training, collaborative research, mentorship, supervised independent reading, mentored grant writing, attendance and participation in conferences, mentored lab-based and community-based research, and career development.

Overall, we are on track to achieve the expected outcomes outlined for the two specific aims proposed for this grant award. Within this reporting period, there were 17 published abstracts, 3 publications in progress, 2 grant submissions based on the ReTOOL program, and one award. One area of improvement based on the feedback from mentors and mentees is the mentor-mentee communications after the summer program. We plan to formalize the communications by scheduling quarterly phone conferences between mentors and mentees. One of the mentees requested for a graduation certificate and we plan to henceforth provide a Certificate of Completion to all the trainees. It is interesting to note that the mentors and mentees do not agree on their ratings of the preparatory courses provided during the program. While the mentees rated it high (4.25), the mentors rated it as moderate (3). The Program Director will follow up with the mentors to explore how the preparatory courses could be improved.

VI. REFERENCES

1. Institute of Medicine (1999). The unequal burden of cancer: An assessment of NIH research and programs for ethnic minorities and the medically underserved. (MA Haynes & BD Smedley (Eds). National Academy Press, Washington DC.
2. Norris KC, Agodoa LY (2005). The need for health professionals and scientists from underrepresented minority and disadvantaged communities. *Ethn Dis* 15:1–2.
3. Rabionet S, Santiago L, Zorrilla C (2009) A multifaceted mentoring model for minority researchers to address HIV health disparities. *Am J Public Health* 99:S65.
4. Jeste D, Twamley E, Cardenas V, Lebowitz B, Reynolds C III (2009) A call for training the trainers: focus on mentoring to enhance diversity in mental health research. *Am J Public Health* 99:S31
5. Shavers V, Fagan P, Lawrence D et al (2005) Barriers to racial/ethnic minority application and competition for NIH research funding. *J Natl Med Assoc* 97:1063.

VII. APPENDICES

Appendix I	ReTOOL Program Information Brochures and Flyers
Appendix II	ReTOOL Program Application Materials
Appendix III	ReTOOL Student Interview Evaluation Form
Appendix IV	ReTOOL Program Orientation Packet
Appendix V	Program Agenda for the 1 st Annual Florida Prostate Cancer Research Symposium held in Orlando, Florida May 4 – 5, 2012
Appendix VI	Pictorial Summary of Student Activities at the 1 st Annual Florida Prostate Cancer Research Symposium
Appendix VII	Program Agenda for the 2012 ReTOOL Welcome Reception
Appendix VIII	Announcement Flier for the ReTOOL Annual Research Showcase
Appendix IX	Copy of Plaques for the 2012 ReTOOL Program
Appendix X	Students Photo Voice Assignments for the 2012 ReTOOL Program
Appendix XI	ReTOOL Program Student Baseline Survey
Appendix XII	ReTOOL Program Student Follow-up Survey
Appendix XIII	ReTOOL Program Mentor Baseline Survey
Appendix XIV	ReTOOL Program Mentor Follow-up Survey

APPENDIX I



**ATTENTION PHARMACY, NURSING, ALLIED HEALTH, BIOLOGY,
CHEMISTRY, PSYCHOLOGY, & SOCIOLOGY STUDENTS!**



GOT PLANS FOR SUMMER 2012?



**Think the ReTOOL Program!
Paid Summer Cancer Research
Training at UF**



Why the ReTOOL Program?

- Experience the outstanding *Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL)* Program.
- Hands-on summer research training experience at the University of Florida.
- Interact with renowned prostate cancer scientists.
- Career development opportunities.
- **Up to \$6,000 training support (for stipend and living expenses).**

**For More Information, Contact Dr. Renee Reams at
850-561-2672 or renee.reams@famu.edu.**

**The ReTOOL Program is a Prostate Cancer Research Training Program for FAMU
undergraduate students at the University of Florida**

R. Renee Reams, PhD
Faculty Advisor (FAMU)

Folakemi T. Odedina, PhD
Principal Investigator (UF)

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program:

Creating Opportunities for Minority HBCU Students

ReTOOL Program Background:

The long-term goal of the ReTOOL program is to increase the pool of minority prostate cancer researchers in Florida. The primary objective is to develop, promote and sustain an independent, competitive prostate cancer research training program that creates opportunities and promotes careers in prostate cancer research for minority HBCU students at Florida A&M University.

The Florida ReTOOL program is funded by the Department of Defense (DoD) office of the Congressionally Directed Medical Research Programs (CDMRP).

ReTOOL Program Administration:

Principal Investigator & Program Director Folakemi T. Odedina, PhD Professor, Pharmaceutical Outcomes and Policy, College of Pharmacy Department of Radiation Oncology, College of Medicine Assoc. Director for Health Disparities, Shands Cancer Center University of Florida Telephone: 727-394-6089 Facsimile: 727-394-6014 Email: fodedina@cop.ufl.edu	Faculty Advisor R. Renee Reams, PhD Professor Of Biochemistry Section Chair, Medicinal Chemistry Section College of Pharmacy & Pharmaceutical Sciences Florida A&M University Tallahassee, Florida 32307 Telephone: 850-561-2672 Facsimile: 850-599-3731 Email: reneereams.famu@gmail.com reneereams@famu.edu
Program Manager Shannon Pressey, MS Research Programs Coordinator Pharmaceutical Outcomes and Policy College of Pharmacy University of Florida Gainesville, FL 32610 Telephone: 727-394-6162 Facsimile: 727-394-6014 Email: spressey@cop.ufl.edu	

University of Florida ReTOOL Program Faculty Expertise



Yehia Daaka, PhD. Dr. Yehia Daaka's research career has been devoted to understanding the biological roles of G protein-coupled receptors (GPCRs) that instruct development and continue to function in adulthood. He has been involved in crucial discoveries that unraveled contribution of these receptors and their heterotrimeric G protein and β Arrestin effectors to human (patho)physiologic processes; for example, in the initiation and progression of cancer. Dr. Daaka's extensive research on the function of these receptors has contributed to their recognition as targets for cancer therapy, and over the last decade several anti-cancer drugs have been developed against these molecules. Dr Daaka provided the first evidence that GPCRs undergo regulated coupling switch to G proteins (i.e. β 2AR-mediated coupling to G_i is preceded by the G_s -induced and PKA-mediated phosphorylation of the receptor) and that β Arrestins actively participate in mitogenic signaling by GPCRs (i.e. expression of a dominant negative form of β Arrestin1 attenuated the β 2AR-mediated activation of ERK MAP kinases). Daaka continues to study novel mitogenic signaling by GPCR systems and has recently reported that β Arrestin2 functions as a co-repressor of androgen receptor in prostate cancer. Current projects in the Daaka laboratory examine contribution of the GPCRs and their effectors to the progression of prostate cancer from androgen-dependent to castration-resistant state, and to the metastasis of kidney cancer. Another line of investigation in the laboratory is centered on studying mechanisms involved in vesicle trafficking, with emphasis on the G proteins dynamin that support fission of vesicles from the plasma membrane into the cytosol.

Philipp Dahm, MD, MHSc, FACS. Philipp Dahm is currently a Professor and Director of Clinical Research, as well as Residency Program Director for the Department of Urology at the University of Florida. He completed his urology residency training and his Master of Health Science in Clinical Leadership at Duke University. He has a training background in clinical research methodology and evidence-based clinical decision-making with major research interests in systematic reviews, outcomes research and knowledge translation. His main clinical expertise lies in the surgical treatment of urological malignancies, in particular prostate cancer, kidney cancer and bladder cancer.



Nancy Hardt, MD. Dr. Hardt is a professor of Pathology and Ob-Gyn and Director of Health Disparities and Service Learning Programs for the University of Florida College of Medicine. Her life course research is done at the population level, using large administrative data sets which are linked using deterministic and probabilistic methods. An important addition to data querying is GIS mapping. Dr. Hardt applies masking techniques to personal health information which provides valuable information to the researcher or policymaker while honoring the confidentiality needs of the individual. Maps highlighting the geographic concentrations of health disparities at the city and county level have proven to catalyze local community action on behalf of the underserved.

Sergei Kusmartsev, PhD. Dr. Kusmartsev is Assistant Professor of Urology and member UF Prostate Disease Center. His primary research interest is focused on mechanisms of cancer inflammation and tumor-induced immunosuppression. Dr. Kusmartsev has extensive experience in prostate cancer research in both experimental and clinical settings. He is member of UF IDP program and mentor for undergraduate students (program "Fundamentals of Cancer Biology").





Zhongzhen Nie, PhD. Our research is focused on the study of the molecular mechanisms underlying the initiation and progression of urogenital cancers, with the long-term goal of identifying novel therapeutic targets. The projects are divided into two major parts: regulation of vesicle trafficking by Arf GTPase-activating proteins, and regulation of cancer metastasis by G protein-coupled receptor signaling. We use cell based models and in vitro biochemical assays for our research. Experimental techniques include mammalian cell culture, transient and stable overexpression of target genes in mammalian cells, transient or stable knockdown of target genes in mammalian cells, identification of protein-protein interaction by immunoprecipitation and Western blot or in vitro binding assays, intracellular protein localization by immunofluorescence and microscopy, cell migration and invasion assay with Boyden Chamber.

Folakemi T. Odedina, PhD. Dr. Odedina is Professor of Pharmaceutical Outcomes & Policy, and Radiation Oncology. She is also the Associate Director of Health Disparities for the UF Shands Cancer Center. Her research program focuses on the predictors of health disparities and cost-effective, community-based behavioral interventions to improve the health of minority populations. She has directed over 30 research projects, including the Department of Defense award - FAMU Center for Minority Prostate Cancer Training and Research (CMPC), which comprises a trans-disciplinary team of clinical, behavioral and basic scientists. In 2009, Dr. Odedina's leadership in health disparities was recognized by the American Society of Health-Systems Pharmacy (ASHP) and the Association of Black Health-System Pharmacists (ABHP) when she was awarded the Inaugural (1st) Leadership Award for Health Disparities. In 2011, she was elected as the North America Vice President for the African Organization for Research and Training in Cancer (AORTIC). Dr. Odedina has a global consortium focused on understanding the burden of prostate cancer disparities in Black men of West African ancestry, and developing tailored and targeted community-centered interventions to eliminate prostate cancer disparities among US Black men. In addition to her research accomplishments, Dr. Odedina has mentored numerous faculty, research associates, graduate students and professional students at West Virginia University (WVU), Florida A&M University and University of Florida. She has also trained over twenty Masters' students, ten Doctoral (Ph.D.) students, and taught over 3,000 Doctor of Pharmacy (Pharm.D.) students at UF, WVU and FAMU.



University of Florida ReTOOL Program Manager



Shannon Pressey, MS. Ms. Pressey is the research coordinator for the UF Pharmaceutical Outcomes & Policy department. She graduated from Florida A&M University with a Bachelors degree in Healthcare Management and Masters Degree in Pharmaceutical Outcomes in 2009. She has managed health disparity research projects for over two years. Her experiences include teaching pharmacy students, coordinating national/international conferences, research project management, minority men recruitment, and statewide data coordination. Ms. Pressey will support the day-to-day management of the program, including on-site support for trainees during the summer and maintaining database on the progress of trainees.

UF/FAMU ReTOOL Training Program - Summer 2012

UNIVERSITY OF FLORIDA and FLORIDA A&M UNIVERSITY

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders

RETOOL PROGRAM APPLICATION

For

2012 Summer Research Training Program

PLEASE SUBMIT ALL APPLICATION MATERIALS TO:

R. Renee Reams, PhD
Room 127 Dyson Bldg
College of Pharmacy & Pharmaceutical Sciences
Florida A& M University
1520 Martin Luther King Jr. Blvd
Tallahassee, FL 32307
Email: renee.reams@famu.edu
Ph: 850-561-2672

Reference "ReTOOL Application" in the subject line if submitting via email.

Application Deadline
March 15, 2012

Note that there are FIVE (5) SECTIONS on this application. All sections MUST be completed/addressed prior to the submission of your application.

If you have any questions while completing this application, contact:

Shannon Pressey, MS
Research Programs Coordinator
Pharmaceutical Outcomes and Policy
College of Pharmacy
University of Florida
Gainesville, FL 32610
Office: 727-394-6162
Email: spressey@cop.ufl.edu

SECTION 1. BACKGROUND INFORMATION ON STUDENT APPLICANT

Name: _____ Date: _____
(Last) (First) (Middle)

Local Address: _____
(City) (State) (Zip Code)

Telephone Number: (____) _____ E-mail Address: _____

Cell Number: (____) _____

Permanent Address: _____

(City) (State) (Zip Code)

Telephone Number: (____) _____ Date of Birth: _____ Sex: F _____ M _____

Major: _____ Current Cumulative GPA (out of 4.0): _____

Department: _____ College: _____

Academic Year (select one): Freshman _____ Sophomore _____ Junior _____ Senior _____

Anticipated Graduation Date: _____

Citizenship (check one)¹: Citizen _____ Permanent Resident _____ Other _____

Race (check one): Black or African American _____ American Indian or Alaska Native _____

Asian (e.g. Indian, Japanese, Chinese) _____ White/ Caucasian _____

Other (please specify) _____

Are you Hispanic, Latino or of Spanish origin? (check one): Yes _____ No _____

SECTION 2: RESEARCH INTEREST

Area of Research Interest (check one):

¹ Only US Citizens and Permanent Residents are eligible for the ReTOOL Training Program.

Basic Sciences _____

Biomedical Sciences _____

Clinical Sciences _____

Population Sciences _____

SECTION 3. GENERAL ASSESSMENT

In order to make a valid assessment of your individual needs, it is important that you provide frank and honest responses and comments to the following questions. Answer all questions candidly.

1. For the areas listed, indicate whether you feel your abilities are strong (S), average (A), or weak (W).

Writing _____

Math _____

Science _____

Reading _____

2. Summarize the extent of your computer skills below (provide specific examples):

3. Are you comfortable interacting with faculty (indicate Yes or No)? _____

4. Are you comfortable interacting with Fellow students (indicate Yes or No)? _____

5. How would you rate your public speaking skills (indicate whether weak, average, or strong)? _____

6. For the areas listed, indicate whether your abilities are strong (S), average (A), or weak (W).

Getting organized _____ Time management _____

Listening skills _____ Research skills _____

Note-taking _____ Test anxiety _____

Memory _____ Test taking _____

7. Have you ever conducted any research? _____ If yes, briefly describe below:

8. Do you know what is involved in a literature review? If yes, describe your perception of literature review:

9. Do you plan to attend graduate school? _____ If so, what graduate major are you considering?

10. Do you plan to attend medical school? _____

11. Summarize your general strengths and weaknesses below:

SECTION 4. ADDITIONAL REQUIREMENTS FOR STUDENT APPLICANTS (Please attach):

- A. Statement of Purpose (one page): This should include a description of your career goals and objectives, personal attributes and motivations. (Must be Typewritten)
- B. Three (3) letters of recommendation from faculty members who taught you at Florida A&M University and are familiar with your academic potential.

- C. Unofficial copy of your college transcript.
- D. A one-page Self assessment on academic skills, study skills, and time management. (Must be Typewritten)
- E. A one-page description of your Career Interest in Prostate Cancer Research. (Must be Typewritten)

SECTION 5. CERTIFICATION

My signature below indicates that the information given on this application is true and complete to the best of my knowledge.

(Signature)

(Date)

DO NOT WRITE IN THIS SPACE

FILE INFORMATION

Date Received: _____

Date Processed: _____

Date Accepted: _____

Eligibility: _____

Interview Score: _____

Provide any other comments/questions you have about the ReTOOL Training Program below:

ReTOOL Program Application Submission Checklist

(Attach to application)

_____	Completed Application Form
_____	Statement of Purpose
_____	Three (3) Sealed Letters of Recommendation
_____	Unofficial College Transcript
_____	Completed Self Assessment Form
_____	Prostate Cancer Career Interest Statement

SUBMIT ALL APPLICATION MATERIALS TO:

R. Renee Reams, PhD
Room 127 Dyson Bldg
College of Pharmacy & Pharmaceutical Sciences
Florida A& M University
1520 Martin Luther King Jr. Blvd
Tallahassee, Fl 32307
Email: renee.reams@famu.edu
Ph: 850-561-2672

Please reference "ReTOOL Application" in the subject line if submitting via email.

Deadline: March 15, 2012

APPENDIX III

The Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program: Creating Opportunities for Minority HBCU Students

Student Interview Evaluation Form

Student Name: _____ Interviewer: _____

Research Area: _____ GPA: _____

	<u>Strong</u>	<u>Good</u>	<u>Needs Improvement</u>		
<u>Written Statements</u>					
Personal Statement	5	4	3	2	1
Self Assessment	5	4	3	2	1
Prostate Cancer Interest Statement	5	4	3	2	1
<u>Interview</u>					
Communication: Candidate expresses thoughts clearly in writing and verbally; projects positive manner in all forms of communication; responds diplomatically.	5	4	3	2	1
Problem Solving/ Decision Making: Candidate demonstrates ability to make decisions; involves others as appropriate; demonstrates ability to resolve issues.	5	4	3	2	1
Building Trust: Candidate demonstrates ability to keep commitments and meet deadlines; exhibits integrity and honesty with colleagues and customers; demonstrates ability to be open to views of others; takes responsibility for own actions in a conflict resolution.	5	4	3	2	1
Conflict Resolution: Candidate demonstrates ability to resolve conflict with person directly involved; demonstrates active listening skills; focuses on conflict resolution, not blame.	5	4	3	2	1
Work Experience Rating: Does candidate possess experience directly related to the position?	5	4	3	2	1



College of Pharmacy
Department of Pharmaceutical Outcomes & Policy

HPNP Building, Room 3334
101 South Newell Drive
PO Box 100496
Gainesville, FL 32610-0496
Phone: (352) 273-6268
Fax: (352) 273-6270

**UNIVERSITY OF FLORIDA and FLORIDA A&M UNIVERSITY
Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders
(ReTOOL) Program**

Dear Applicant:

Congratulations! We are delighted to inform you that you have been selected to participate as a student mentee in the UF-FAMU Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program. We will require an official acceptance from you prior to your enrollment in the ReTOOL program. Please note that your acceptance must be received via email sent to spressey@cop.ufl.edu and copied to reneereams.famu@gmail.com by 4:30pm on Thursday, April 12th, 2012. The training program will begin on May 3rd and end on July 27th, 2012. **All ReTOOL students are expected to arrive on UF campus on May 3rd, 2012.**

I have attached an orientation package for the ReTOOL program for your information and action. Carefully review the information in this package, sign the orientation acknowledgement form (on last page), and submit the signed form to Shannon Pressey by Thursday, May 3, 2012 or upon your arrival on campus.

I look forward to working with you to foster your career training in prostate cancer. If you have any questions prior to meeting you on May 3rd, feel free to call me at 727-394-6162 or send an email to spressey@cop.ufl.edu.

Sincerely,

A handwritten signature in black ink, appearing to read "Shannon Pressey".

Shannon Pressey, MS
Program Manager – UF-FAMU ReTOOL Training Program
Pharmaceutical Outcomes and Policy
College of Pharmacy
University of Florida
Gainesville, FL 32610

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program:

Orientation Package

ReTOOL Program Background:

The long-term goal of the ReTOOL program is to increase the pool of minority prostate cancer researchers in Florida. The primary objective is to develop, promote and sustain an independent, competitive prostate cancer research training program that creates opportunities and promotes careers in prostate cancer research for minority HBCU students at Florida A&M University.

The Florida ReTOOL program is funded by the Department of Defense (DoD) office of the Congressionally Directed Medical Research Programs (CDMRP).

ReTOOL Program Administration:

Principal Investigator & Program Director Folakemi T. Odedina, PhD Professor, Pharmaceutical Outcomes and Policy, College of Pharmacy Department of Radiation Oncology, College of Medicine Assoc. Director for Health Disparities, Shands Cancer Center University of Florida Telephone: 727-394-6089 Facsimile: 727-394-6014 Email: fodedina@cop.ufl.edu	Faculty Advisor R. Renee Reams, PhD Professor Of Biochemisty Section Chair, Medicinal Chemistry Section College of Pharmacy & Pharmaceutical Sciences Florida A&M University Tallahassee, Florida 32307 Telephone: 850-561-2672 Facsimile: 850-599-3731 Email: reneereams.famu@gmail.com renee.reams@fam.u.edu
Program Manager Shannon Pressey, MS Research Programs Coordinator Pharmaceutical Outcomes and Policy College of Pharmacy University of Florida Gainesville, FL 32610 Telephone: 727-394-6162 Facsimile: 727-394-6014 Email: spressey@cop.ufl.edu	

ReTOOL Program Policies & Procedures

Attendance:

Students are expected to be present in their training labs, on time, each day. Please work directly with your mentor to establish a schedule for your attendance. If you are unable to attend work due to illness, you should call your mentor as soon as possible and email Ms. Shannon Pressey (spressey@cop.ufl.edu). ReTOOL summer break is from July 2nd – 6th, 2012 in observance of the 4th of July holiday.

Dress Code:

Please be mindful that some trainees will be working in environments that may have specific safety regulations as it relates to proper dress code. **Make sure you get the official safety regulations from your mentor.** You are required to adhere to the dress code set by your mentor. In addition, note the policies below:

- You may wear walking (“Bermuda”)-type shorts but not ultra-short athletic (running) shorts or unusually tight shorts (i.e., “Spandex”).
- For women, “tube tops,” “halter tops,” deep-set necklines, and very short, tight skirts should not be worn to class or work. Shirts and blouses must extend to the waistband. Bare midriffs are not acceptable. Please be conscious of the “fit” of your clothes when you are in different positions, e.g., standing vs. leaning over.
- For men, a polo shirt with a collar is preferred.

Please be modest and remain professional at all times. In the laboratories, OSHA regulations prohibit open-toed shoes. For purposes of safety, you must wear closed-toe shoes.

When you participate in any clinical activity (e.g., shadowing, clerkships) and engage in patient care, you must dress in a professional manner. Men should wear a shirt, tie, long pants, belt, socks, and hard-soled shoes (i.e., no tennis shoes). Women should wear comparable attire.

Conduct:

Students are expected to be professional in their dealings with patients, colleagues, faculty and staff and to exhibit caring and compassionate attitudes. Professional behavior is defined as behavior appropriate to the circumstance. ATTITUDES OR BEHAVIORS INCONSISTENT WITH COMPASSIONATE CARE; REFUSAL BY, OR INABILITY OF, THE STUDENT TO PARTICIPATE CONSTRUCTIVELY IN LEARNING; DEROGATORY ATTITUDES OR INAPPROPRIATE BEHAVIORS DIRECTED AT PATIENTS, PEERS, FACULTY OR STAFF; MISUSE OF WRITTEN OR ELECTRONIC PATIENT RECORDS (I.E. ACCESSION OF PATIENT INFORMATION WITHOUT VALID REASON); SUBSTANCE ABUSE; OR OTHER UNPROFESSIONAL CONDUCT **CAN BE GROUNDS FOR DISMISSAL.**

While the following policies have been highlighted please refer to UF's Student Code of Conduct for additional policies that you must adhere to: <http://www.dso.ufl.edu/sccr/honorcodes/conductcode.php>.

Housing

ReTOOL trainees will be residing in Diamond Village. Emory Gardner Diamond Memorial Village was built to house married students and their families who were displaced when Flavel I and II were closed in August 1965. Emory Diamond was President of the University of Florida Student Body (1950-51), Clerk of the Honor Court (1949-50), and Mayor of Flavel Village II (1949).

Facilities:

- 2-story masonry with brick veneer buildings
- Commons building with a manager's office, laundry, recreation/study room
- Playgrounds
- 1-bedroom apartment square footage: 522
- 2-bedroom apartment square footage: 714

Major renovations were completed in 2005 which upgraded this facility to central air and heat as well as modernized the sprinkler and fire alarm systems. The cost of living for rent will be taken from each student's stipend up front; however utilities will be billed on a monthly basis. Parking decals are available on campus at a rate of \$35 per month. Note that decals are needed to park your vehicles at Diamond Village however you are encouraged to utilize public transportation via UF to navigate throughout campus. Decal fees will be taken out of stipends up front as well, if applicable.

Please visit the following link for housing policies:

<http://www.housing.ufl.edu/reslife/commstandards/communitystandards.pdf>

Stipends

Stipend balance (minus accommodation rent parking and any other applicable fees) will be disbursed in 3 installments:

- First Disbursement – May 11th, 2012
- Second Disbursement – June 22nd, 2012
- Third Disbursement – August 10th, 2012 (Final utility bills will not be available until after the summer training program has ended).

Health Facilities

If you have an emergency please dial 9-1-1. Should you require less severe medical attention please see facility options below:

University of Florida Shands Eastside Community Practice

410 NE Waldo Road

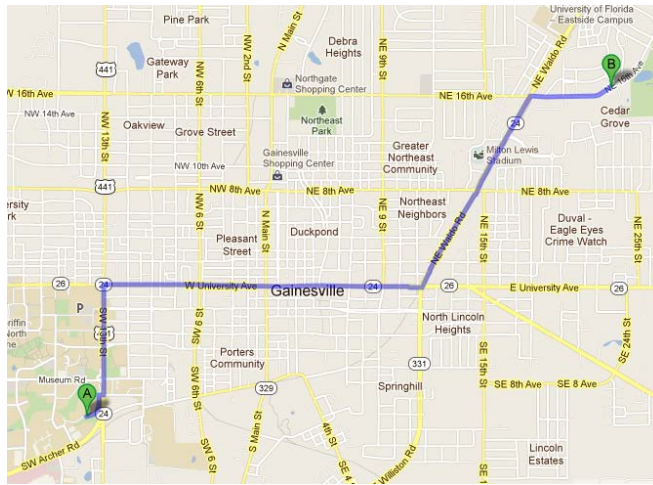
Gainesville, FL 32641

Phone: Adults (age 18 and above) (352) 265-7015

Pediatrics (ages 17 and under) (352) 265-7017

Fax (352) 265-7021

Hours: 8:00-5:00 Monday – Friday



A Diamond Village Apartments, Gainesville, FL 32603

1. Head **east** on **Diamond Rd** toward **SW Murphree Way** go 0.2 mi
total 0.2 mi
- ➔ 2. Take the 1st right onto **SW Murphree Way** go 135 ft
total 0.2 mi
- ➔ 3. Take the 1st left onto **SW 13th St** go 0.6 mi
About 2 mins total 0.8 mi
- ➔ 4. Turn right onto **W University Ave** go 1.7 mi
About 3 mins total 2.4 mi
- ➔ 5. Turn left onto **NE Waldo Rd** go 1.2 mi
About 4 mins total 3.6 mi
- ➔ 6. Turn right onto **NE 16th Ave** go 0.4 mi
Partial restricted usage road
Destination will be on the left
About 1 min total 4.0 mi

B NE Waldo Rd, Gainesville, FL 32641

Where to Report:

On May 3rd, 2012 students are to report to Diamond Village. Driving directions are below:

Driving directions to Diamond Village Apartments, Gainesville, FL 32603

1. Head north on S Monroe St toward E Pensacola St	0.4 mi
2. Turn right onto E Tennessee St	1.3 mi
3. Continue onto US-90 E/Mahan Dr	6.3 mi
4. Merge onto I-10 E via the ramp to Lake City	87.4 mi
5. Take exit 296A to merge onto I-75 S toward Tampa	47.7 mi
6. Take exit 387 toward Gainesville	0.2 mi
7. Merge onto W Newberry Rd	2.5 mi
8. Continue onto W University Ave	2.4 mi
9. Turn right onto SW 13th St	0.6 mi
10. Turn right onto SW Murphree Way	92 ft
11. Take the 1st left onto Diamond Rd	0.2 mi
Destination will be on the right	
Diamond Village Apartments Gainesville, FL 32603	

**ReTOOL Summer 2012 Program Calendar
May 3 – July 27, 2012**

May 3, 2012	Official ReTOOL Starting Date - Students Resume at Diamond Village, UF
May 4–5, 2012	Florida Prostate Cancer Research Symposium, Orlando, Florida <i>** Coordinated by Shannon Pressey, MS</i>
May 7, 2012	ReTOOL Program Orientation <i>** Tour of the UF Cancer Center, Health Sciences library, and other UF resources; Obtain ID badges and parking permits; Tour of the Gainesville community.</i>
May 8–10, 2012	ReTOOL Didactic Training <i>** See ReTOOL class schedule.</i>
May 10, 2012	ReTOOL Exam (Begins at 1:00pm)
May 11, 2012	ReTOOL Program Welcome Reception (8 – 10am) Key Note: Dr. Paul Okunieff, Professor & Director, UFSCC <i>*** Individual meetings with mentors</i>
May 14 – June 29, 2012	Experiential Training with ReTOOL Faculty Mentor (students resume to lab) Weekly Community Outreach Experiences with Dr. Nancy Hardt
July 2 – 6, 2012	ReTOOL Summer Break – No ReTOOL program activities
July 9 – 26, 2012	Experiential Training with ReTOOL Faculty Mentor (students resume to lab) Weekly Community Outreach Experiences with Dr. Nancy Hardt
July 27, 2012	Program ReTOOL Annual Research Award Ceremony <ul style="list-style-type: none">• 9:00am-11:00noon: Poster Presentations by Trainees• 1:00-3:00pm: Podium Presentations & Award Ceremony

Shannon Pressey, MS *** Research Programs Coordinator *** University of Florida

Office: 727-394-6162 *** Email: spressey@cop.ufl.edu

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program
Didactic Training Program: May 8 – 10, 2012

	Tuesday, May 8, 2012	Wednesday, May 9, 2012	Thursday, May 10, 2012
8:00-9:00am	Journal Club: ReTOOL Tool Box – Shannon Pressey, MS CGRC room 491	Disparities in Health in America Dr. Folakemi Odedina	Establishing and Maintaining a Successful Mentor-Mentee Relationship Dr. Folakemi Odedina & Dr. Phillip Dahm
9:00 – 10:00am			
10:00-11:00am	Molecular Prostate Cancer Biology and Basic Sciences Principles Dr. Yehia Daaka CGRC room 491	Cultural Competency Workshops UF CC Program	
11:00-12:00noon			
12:00-1:00pm	Lunch Break		
1:00-2:00pm	Genetic Markers and Polymorphisms in Prostate Cancer Dr. Zhongzhen Nie CGRC room 491	Socio-psychological Factors Related to Prostate Cancer Dr. Folakemi Odedina	ReTOOL Exam
2:00-3:00pm			
3:00-4:00pm	Prostate Cancer: Epidemiology, Diagnostic Evaluation and Treatment Dr. Philipp Dahm	Ethical Issues in Research – Shannon Pressey, MS	
4:00-5:00pm			

***** ReTOOL weekly seminar will take place Fridays at 1:00pm.**

**Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders
(ReTOOL) Program
Weekly Research Seminar – Fridays at 1:00pm**

Date	Topic	Speaker
May 18	College of Pharmacy, Graduate Programs	Mrs. Olihe Okoro
May 25	Advocacy for Prostate Cancer	Mr. Sam Gaddy
June 1	Outreach Material Assembly Workshop	Shannon Pressey, MS
June 8	UF Graduate Program: Opportunities for Minority Students	Laurence B. Alexander, J.D., Ph.D.
June 15	Scientific writing and dissemination	Dr. Henrietta Logan Dr. Elizabeth Pomery
June 22	Literature search strategies	Rae Jesano MSLS, AHI
June 29	GRE Tips Student Presentation	Shannon Pressey, MS Tamieka Atkinson (student)
July 6: ReTOOL Summer Break		
July 13	Student Presentations	Stephanie Alexis (student) Danielle Anderson (student)
July 20	Student Presentations	Kacy Flowers (student) Chloe Martin (student)

<p style="text-align: center;">ReTOOL Training Program</p> <p style="text-align: center;">Student Emergency Contact Form</p>

PLEASE PRINT ALL DETAILS CLEARLY

Date: _____

_____	_____	_____
Last Name	First Name	Middle Name

Home Address:

_____	_____	_____	_____
City	State	Zip Code	Date of Birth

Cell Phone: Area Code ()

Home Telephone: ()

Please list the people you would like to be notified in case of emergency, including a local contact.

IN CASE OF EMERGENCY CONTACT:

(1) Name & Relationship

_____	_____	_____	_____
Street Address	City	State	Zip Code

Telephone () _____ Daytime Phone # () _____

(2) Name & Relationship

_____	_____	_____	_____
Street Address	City	State	Zip Code

Telephone () _____ Daytime Phone # () _____

(3) Name & Relationship

Street Address	City	State	Zip Code
----------------	------	-------	----------

Telephone () _____ Daytime Phone # () _____

****Please note that you may or may not answer the following questions at your own discretion.****

Are you allergic to anything? Yes / No _____

If yes, please list all allergies.

Are you taking any medication we should be aware of? Yes / No _____

If yes: Please list all medications we should be aware of:

Do you have any medical/mobility/mental health concerns of which we should be aware? Yes / No _____

If yes, please list medical/mobility/mental health concerns that we should be aware of:

The information requested on this card is confidential and for emergency use only. In the event of a medical emergency, this information will be used by authorized emergency personnel. Please be honest when completing all pertinent information.

In the case of emergency, I give permission for my information to be released to emergency personnel. I also agree that any of my emergency contacts listed on this card may be notified in an emergency, as needed.

Signature & Date: _____ **Name:** _____

ReTOOL Training Program
Orientation Package Acknowledgement Form

I hereby acknowledge the receipt of the ReTOOL Training Program orientation packet. I have carefully reviewed the information contained in this package and fully understand the requirement to adhere to the policies and procedures of the ReTOOL program.

ReTOOL Student Name: _____

ReTOOL Student Signature & Date: _____

ReTOOL Program Manager Name: _____

ReTOOL Program Manager Signature & Date: _____

2012 Florida Prostate Cancer Research Symposium Agenda

Friday, May 4, 2012

Welcome Reception

6:30 – 7:30 pm

Great Hall Center

Dinner Presentation

7:30 – 9:30 pm

Great Hall West

Personalized Cancer Medicine: Opportunities for Prostate Cancer Research

William Dalton, PhD, MD

Moffitt Cancer Center

Saturday, May 5, 2012

6:45 – 7:30 am Registration and Breakfast – Knights Hall

7:30 am

Opening Remarks – Cloister Meeting Room

Julio Pow-Sang, MD

Moffitt Cancer Center

Molecular Mechanisms underlying Prostate Cancer Progression

7:35 – 9:00 am

Moderator: Conor Lynch, PhD; Moffitt Cancer Center

7:30 – 7:45 am S-1 Role of Mesotrypsin in Prostate Cancer Progression

Evette Radisky, PhD

Mayo Clinic Cancer Center

7:45 – 8:00 am

S-2 Signaling by the Rho GTPase, Rac1, and its exchange factor, Vav3, promotes androgen receptor activity and castration-resistant prostate cancer

Kerry Burnstein, PhD

University of Miami

8:00 – 8:15 am S-3 GPCRs Systems in Prostate Carcinogenesis

Yehia Daaka, PhD

University of Florida

8:15 – 8:30 am S-4 MMP Roles in the Prostate Cancer Bone Microenvironment

Conor Lynch, PhD

Moffitt Cancer Center

8:30 – 9:00 am Keynote Lecture

S-5 Dissemination of Prostate Cancer Cells to Bone: Implications for Disease Progression and Tumor Cell Dormancy

Robert Vessella, PhD

University of Washington Medical Center

9:00 – 9:30 am BREAK

Prostate Cancer Discovery and Detection

9:30 – 10:30 am

Moderator: Jong Park, PhD; Moffitt Cancer Center

9:30 – 9:45 am

S-6 Genetic Polymorphisms in Angiogenesis Genes and Prostate Cancer Recurrence

Jong Park, PhD

Moffitt Cancer Center

9:45 – 10:00 am

S-7 Prostate Cancer Drug Resistance

Jingsong Zhang, MD, PhD

Moffitt Cancer Center

10:00 – 10:15 am

S-8 Evaluation of B7-H3 Expression as a Biomarker of Biochemical Recurrence Following Salvage Radiation Therapy for Recurrent Prostate Cancer

Alexander Parker, PhD

Mayo Clinic Florida

10:15 – 10:30 pm

S-9 Hijacking Homeostasis: The Evolution and Ecology of Cancer Progression

Alexander (Sandy) Anderson, PhD

Moffitt Cancer Center

Treatment Modalities for Localized Prostate Cancer: Where do we Stand?

10:30 – 11:15 am

Moderator: Julio Pow-Sang, MD; Moffitt Cancer Center

- 10:30 – 10:45 am** **S-10 A Targeted Approach to Prostate Radiotherapy**
 Alan Pollack, MD, PhD
 University of Miami
- 10:45 – 10:55 am** **S-11 Robotic Prostatectomy: Addressing Lymph Node Status**
 Alok Shrivastava, MD, MCh.
 Cleveland Clinic Florida
- 10:55 – 11:05 am** **S-12 Cryosurgery for Prostate Cancer**
 Charles Rosser, MD, MBA
 MD Anderson Cancer Center Orlando
- 11:05 – 11:15 am** **S-13 Active Surveillance**
 Viacheslav Iremashvili, MD, PhD
 University of Miami

11:15 – 11:45 am	Keynote Lecture Moderator: Jingsong Zhang, MD, PhD Moffitt Cancer Center <u>S-14</u> Metastatic Prostate Cancer: Future Therapeutic Landscape From Biology
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11:45 – 12:45 pm **LUNCH and POSTER SESSIONS – Knights Hall**

Prostate Cancer and Immunotherapy/Targeted Therapies – Cloister Meeting Room

12:45 – 2:15 pm

Moderator: Mayer Fishman, MD, PhD; Moffitt Cancer Center

- 12:45 – 1:00 pm** **S-15 Improving Hormonal Manipulation**
 Norman Block, MD
 University of Miami
- 1:00 – 1:15 pm** **S-16 Considerations in the Design of Cancer Vaccines - Stimulatory and Regulatory Elements**
 Johannes Vieweg, MD
 University of Florida
- 1:15 – 1:30 pm** **S-17 Therapeutic Manipulations of Dendritic Cells**
 Mayer Fishman, MD, PhD

Moffitt Cancer Center

1:30 – 1:45 pm S-18 Epigenetic Modulators Target Cancer Stem Cells and Hormone-refractory Prostate Cancer

Jun-Li Luo, MD, PhD
Scripps Research Institute-Florida

1:45 – 2:00 pm S-19 Identifying and Creating Ectopic Lymph Nodes to Boost Immunotherapy

James Mulé, PhD
Moffitt Cancer Center

2 :00 – 2 :15 pm BREAK

Prostate Health Outcomes, Prevention and Screening

2:15 – 4:00 pm

Moderator: Brian Rivers, PhD, MPH; Moffitt Cancer Center

2:15 – 2:30 pm S-20 Utilizing Interactive Technology to Deliver Informed Decision Making for Prostate Cancer Screening

Brian Rivers, PhD, MPH
Moffitt Cancer Center

2:30 – 2:45 pm S-21 Preclinical Studies on Chemoprevention and Diet in Prostate Cancer Progression

Bal Lokeshwar, PhD
University of Miami

2:45 – 3:00 pm S-22 Screening for Prostate Cancer

Philipp Dahm, MD, MHSc
University of Florida

3:00 – 3:15 pm S-23 Systematic Approach to Accelerating Botanical Drug Development for Prostate Cancer Chemoprevention and Treatment

Nagi Kumar, PhD
Moffitt Cancer Center

3:15 – 3:30 pm S-24 Sustaining Evidence-Based Prostate Cancer Control Intervention in Black Communities: Getting away from the Box

Folakemi Odedina, PhD
University of Florida

3:30 – 3:45 pm S-25 The Geography of Prostate: Initial Results/Maps From the Florida Prostate Cancer Atlas Project

Scott Gilbert, MD, MS
University of Florida

3:45 – 4:00 pm

S-26 Changes in AUA score from baseline to one year: Comparison of Age-matched Men undergoing Cryotherapy, Radical Prostatectomy and External Beam Radiation for Newly Diagnosed Prostate Cancer

Michael Wehle, MD
Mayo Clinic-Jacksonville

4:00 – 4:15

BREAK

4:15 – 4:50 pm Florida Prostate Cancer Future Research Town Hall

Moderator: Julio Pow-Sang, MD

Moffitt Cancer Center

4:50 – 5:00 pm Poster Awards and Closing Remarks

APPENDIX VI



APPENDIX VII



**Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders
(ReTOOL) Program: Creating Opportunities for Minority HBCU Students**

**ReTOOL Program Welcome Reception
Friday, May 11, 2012, 8:00 – 10:00am
Host: Shannon Pressey, MS**

- | | |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00am | Welcome – Ms. Shannon Pressey, ReTOOL Program Manager |
| 8:05am | Opening Remarks - Dr. Paul Okunieff, Professor & Director, UFSCC |
| 8:15am | ReTOOL Program Overview– Dr. Folakemi Odedina, PI & Director |
| 8:30am | ReTOOL Students Introductions & Research Interests <ul style="list-style-type: none">• Chloe Martin• Danielle Anderson• Kacy Flowers• Tamieka Atkinson• Stephanie Alexis |
| 8:45am | ReTOOL Faculty Mentors Introductions & Research Interests <ul style="list-style-type: none">• Dr. Paul Okunieff• Dr. Yehia Daaka• Dr. Phillip Dahm• Dr. Henri Logan• Dr. Zhongzhen Nie• Dr. Nancy Hardt• Dr. Folakemi Odedina |
| 9:15am | Excelling in Research – Dr. Yehia Daaka, Prof. & Research Director, UFPDC |
| 9:30am | Closing Remarks – Dr. Folakemi Odedina, PI & Program Director |
| 9:35am | ReTOOL 2012 Program Photo Shot |
| 9:45am | Individual ReTOOL Faculty-Student Meetings |

APPENDIX VIII

RESEARCH SHOWCASE
2012 UF-FAMU RETOOL PROGRAM


 

Prostate Cancer
Research Training Opportunities for Outstanding
Leaders (ReTOOL) Program


Research Showcase
Friday, July 27, 2012
9:00 AM—2:00PM




Poster Session: 9AM-11AM HPNP Building Atrium area
Oral Presentations: 1PM—2:30PM, HPNP Building Room G316

2012 UF-FAMU ReTOOL Training Program Student Mentees



DOD Prostate Cancer Research Program
Award W81XWH-12-1-0083





For additional information please contact: Shannon Pressey, Program Manager
Phone 727-394-6162 or spressey@cop.ufl.edu



1st Place

UF-FAMU Prostate Cancer 2012

Research Training Opportunities
for Outstanding Leaders
(ReTOOL) Program

DOD Prostate Cancer Research Program
Award W81XWH-12-1-0083

ReTOOL Research Showcase
Gainesville Florida
July 27th, 2012

Folakemi T Odedina, PhD
PI & Program Director

APPENDIX X

Newsletter

Summer Research Experience

8/3/2012

Stephanie Alexis

Newsletter

To begin with, this experience has been an amazing experience unlike no other. I have learned so many things in such a short period of time and have also seen how I can make a difference in my community. In the beginning, my task included reading numerous psychological journal articles to get more intakes on what I will be working on and to also understand how typical studies are carried out.



[This photo is me and one of a coworker discussing some of the links among the many different journals.]

I was also helping out with the task of printing and making copies for meetings and other work related issues like R01 drafts, graphs, and other papers.



[This picture is of me printing and retrieving some papers from the copier room.]

The copier room is an actual room that has a fridge, microwave, a machine that print, fax and copy all in one. Also, it has several office supplies and folders.

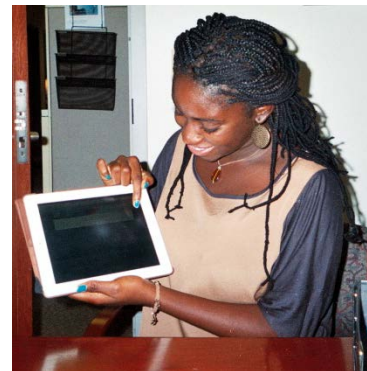
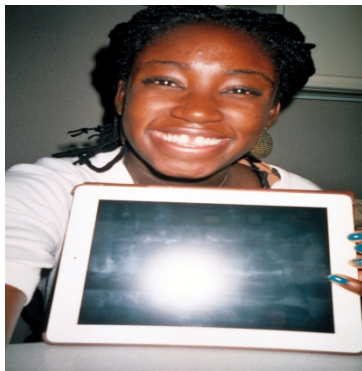
The project me and Dr. Logan worked on was the iPad Feasibility Project. With this project, although Dr. Logan was the private investigator for it, the scientist who was in charge of it was Dr. Pomery. She was the one who came up with the instructions and carried it out the project every day at the site.



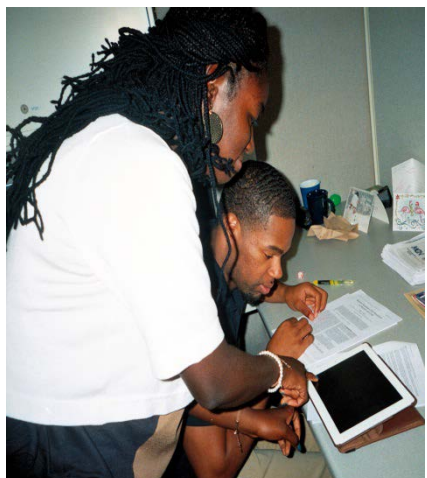
[The photo to the right is me and my mentor Dr. Logan with the iPad. The photo to the left is me Dr. Pomery (scientist of the project) and Ms. Clark discussing some information about the study]

For this project I was solely responsible for the iPad.

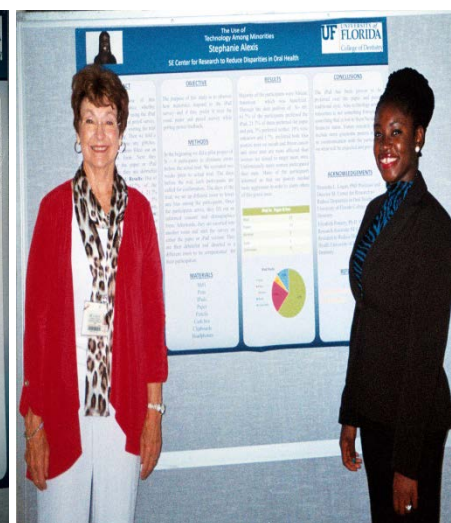
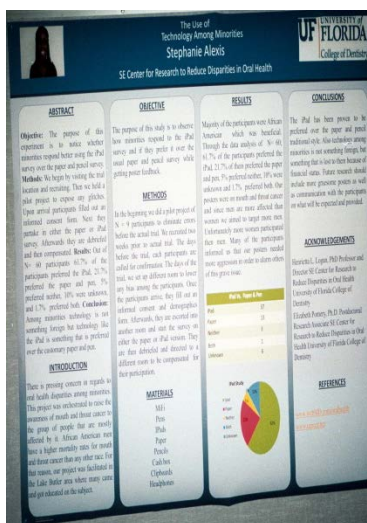
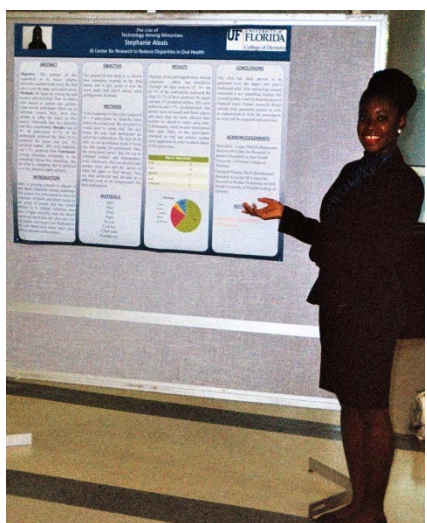
I had the responsibility of keeping it charge every day, bringing it to the site, and also assuring that the survey was running properly on all the iPads.



Since I was responsible for the iPad for this study, I also aided my other colleagues who had some trouble with the survey system when using the iPad.

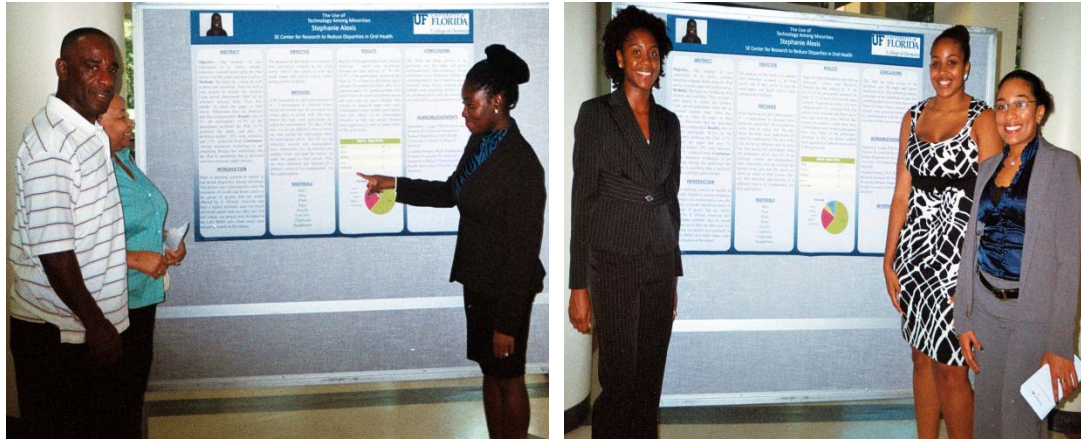


[These pictures are me and all my colleagues when they needed help on something concerning the iPad.]



[These pictures were taken on the final day with me my poster and my mentor]

After the study was finished, I was able to do a poster presentation from the information we had gather and analyzed from the experiment. The poster is basically a summary of what the study was about. It included details of what was done, how it was done, and why it was done. It also gives the result of the information presented as well as future research ideas. This along with the oral presentation that was given afterwards demonstrated my entire summer research for the summer as an intern.



These pictures were taken during the poster presentation and it illustrates and me and my colleagues as well as a few audiences who have come to learn from our results and the project we spent our summer working on.



[The last part of this experience was presenting our results to a group of an assembly consisting of families, friends, mentors, and fellow colleagues.]



This experience has taught me how to persevere through my work and looking toward the ending goal and not simply the struggles that I may be dealing with at the moment. Through this I have gained a lifetime mentor as well as colleagues that I can count on when I need help and support. This was a wonderful journey and I am honored to have been a part of it.



DANIELLE ANDERSON



FAMU-UF RE-TOOL PROGRAM SUMMER EXPERIENCE 2012

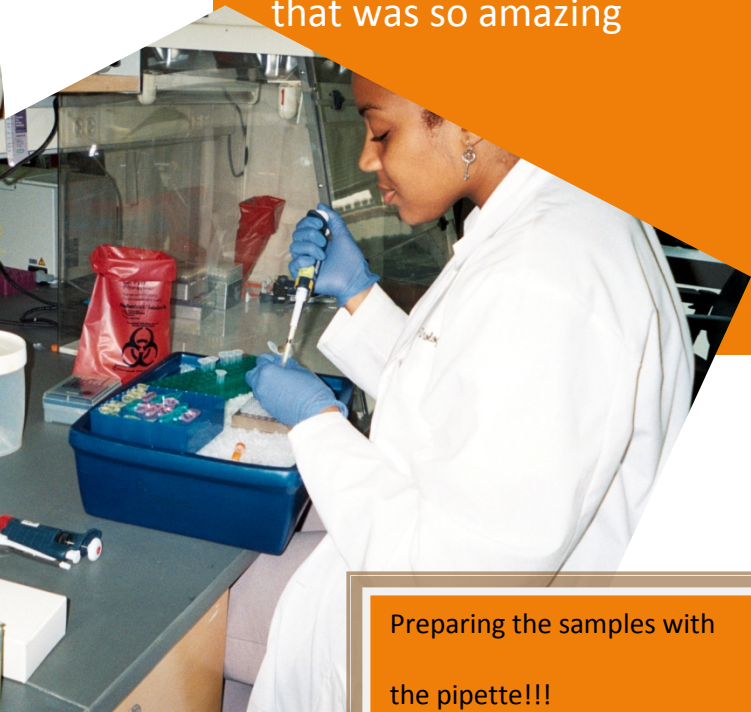


Poster presentation with my mentor Dr. Daaka and Dr. Nle

This summer the Re-Tool Program gave me the chance to learn about prostate cancer and I am thankful for being allowed to work in a lab that was so amazing



Placing samples in the Polymerase Chain Reaction Machine (PCR) in the lab!!



Preparing the samples with the pipette!!!

Retool Training Program for Outstanding Leaders

A surge of African-Americans in Research

According to the Journal of Blacks in Higher Education, 49,562 doctorates were awarded in 2009. Of these only 2,221 were given to African-Americans. Even though, this was the highest number of doctoral degrees awarded to date, less than 2 percent were awarded in the area of physical sciences.

As a result, various summer research programs have been implemented that are solely geared towards attracting African-American in basic science research. One such program is the brain child of Dr. Folakemi Odedina (photographed to the right) Sponsored by the Depart-

ment of Defense, the UF-FAMU Research Training Opportunities for Outstanding Leaders (ReTOOL) Program provided five students from underrepresented backgrounds to participate in a 12 week prostate cancer internship.

One of the goals of the program is centered on immersing the students in research which would provide them with the experience and knowledge.



Through this interaction hopefully they would be inspired to continue their academic journey to pursue



Summer interns at the ReTOOL Training Program Research Show-

a doctorate degree in the science.

Overall, the ReTOOL programs has exposed these emerging researchers into a field of study that is drastically in need of African-Americans.

ReTOOL Events:

- May 3: Program Starts
- May 5: Prostate Cancer symposium
- June 16: Health Summit
- July 27: Research Showcase



Outstanding Undergraduate Researcher Spotlight

To conclude the ReTOOL program there was a Research forum in which the students presented findings from their summer project. The students were judged based on their poster and oral presentations. The first place prize was awarded to Tamieka Atkinson, a junior chemistry student (left).



This student's summer project was based on



finding the effect of GRK5 on the migration of PC3, DU145, and LNCaP prostate cancer cell lines.

In order to complete the research study, Ms. Atkinson had to employ various techniques. Two of these were cell cultur-



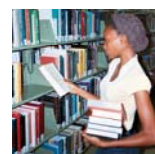
ing and the use of the Leica Confocal microscope.

The conclusion to her research demonstrated that the reduction of GRK5 leads to the prostate cancer cell having the a reduced potential to migrate

In Ms. Atkinson's future aspirations she desires to acquire her MD/PhD.



"Throughout this summer I have learned a great deal about the definition of dedication. It is not just about the act of showing up, but more entrenched in the idea of staying."



Her most memorable experience was volunteering with the Mobile Clinic to provide prostate cancer awareness.



- Kacy Flowers:
A ReTool
trainees experience in the
program
- Research:
Assessing the
Participation of
black men in
randomized
controlled
trials of Prostate
cancer

INSIDE THIS ISSUE:

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The FAMU-UF ReTOOL Experience

VOLUME 1, ISSUE 1

NEWSLETTER DATE

An Inaugural Students ReTool Experience

The first summer of internships in the FAMU-UF ReTool program have proven to be a success. Five FAMU students were chosen to study prostate cancer at the University of Florida. The internship entailed: each student to work alongside a mentor on a research project, perform community outreach, weekly seminars, and go to conferences. The trainees received a well rounded experience to say the least.

We highlight the experience of one student in particular, Kacy Flowers. Over the summer she worked with Dr. Philipp Dahm MD, a urologist and professor in the college of medicine. Dr. Philipp Dahm MD was her mentor in her area of research for the summer which was clinical

studies. Under his tutelage she took on the task to research the participation of black men in randomized controlled trials of prostate cancer.



Kacy Flowers reading one of many journal articles for her project in the UF Health Science library

Research: Black Men's

Participation in Randomized Controlled Trials of Prostate Cancer

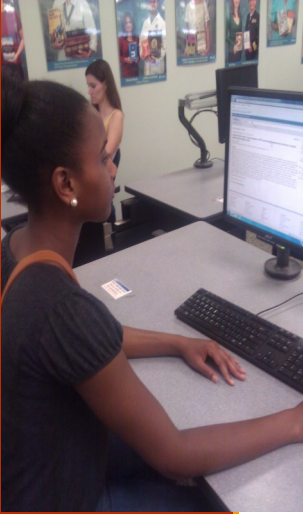
To assess black men's participation she conducted a systematic review. All she needed was a computer and the internet. From there she searched the Pub-Med website on articles published on randomized trials of prostate cancer treatment, on men with prostate cancer, between the

years of 2002-2011 (the past ten years). "Conducting this study was an arduous task that took diligence, self discipline, patients, hard work, guidance from my mentor, and time to name a few." For Kacy her research went beyond going to the urology department in the college of

medicine from 8 am to 5pm. Many weekends and nights were put into getting the job done. Dr. Dahm told her in the beginning it would be ambitious, and ambitious it proved to be.

To ensure that the project would get done Kacy

Research continued



Kacy working on her project in the library

THE FAMU-UF
RETOOL
EXPERIENCE

Kacy working on her project at her desk in the Urology office



Kacy made a task oriented schedule everyday of what she had to complete, similar to a to do list. In addition to her self discipline to get the job done she would email her mentor everyday to keep him updated on her progress. Also they held weekly meetings in the office to discuss the direction of the project. In addition to Dr. Dahms guidance in the project Dr. Joseph Pugh, MD lent a helpful hand by checking the accuracy of the work.

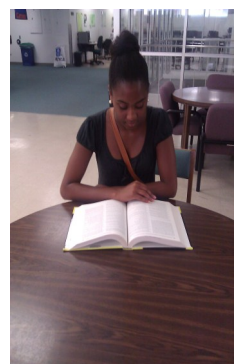
In all there were a total of 678 articles for her to read. At the end of her study she found that although black men have the highest incidence rate of prostate cancer as well as the highest death rate among prostate cancer deaths, there participation in randomized controlled trials of prostate cancer treatment are low and they are extremely under represented. An average of only 22.7% of the studies published in the past ten years were found to include any black men at all. All though Kacy knew black men's participation would be low, but she didn't expect it to be as low as what her project showed. When asked how she felt about her findings she had this to say:

"The number of studies that enroll black men and the number of black men actually enrolled in the studies does not represent the disease burden that black men hold in prostate cancer. There needs to be a better effort from the research community

to recruit black men into studies. Until more black men enroll into randomized controlled trials this health disparity will continue. Although the internship is over Kacy intends to continue to make others aware of the research she has done this summer by presenting her work and hopefully getting it published.



Kacy with Dr. Dahm after a meeting



In the Community: Kacy work in the community through ReTool Outreach

Aside from the research once a week Kacy along with her-fellow ReTool trainees went to different areas of Alachua county and talked to men about prostate cancer. The target population of men they were trying to reach were black men. Black men have the highest incidence and death rate of prostate cancer. This is due to a number of reasons, some known and unknown. One of those reasons are that black men do not get regular screenings. For Kacy the most rewarding part of that experi-

ence was seeing the interest and concern that the men expressed when she gave them information about prostate cancer. Also the experience left her

wanting to do more. Since they went into underserved communities, the men that she talked to most of the time didn't have money or insurance to get screened. Although the summer is over she has suggested that the ReTool staff

change their outreach in a way so that the men the trainees meet out in the community will get screened for free. That would make the outreach more efficient. How or if that will be done is unknown for now. There is a lot of configuring to do to make that happen.

For Kacy the most rewarding part of outreach was seeing the interest and concern that the men expressed when she gave them information about prostate cancer.



A. Kacy (third from the left) with the judges and other trainees at the oral presentation, B. Kacy giving her last remarks at the end of the oral presentation, C. Kacy's mother (in the pink) listening intently to Kacy's presentation, D. Judges asking questions, E. Audience F. Kacy giving presentation

Presenting the Research: Kacy's Oral Presentation

The last day of the program was a day for Kacy to present her research project. In front of her family, three judges, the retool staff, fellow trainees and a host of others. A ten minute presentation was given on the work she did that summer. Kacy will admit it was hard trying to summarize 70 days of research and findings in only ten minutes. However the oral presen-

tation was a success and she received positive feedback from the judges.



Kacy giving her oral presentation



Presenting the Research: Kacy's Poster Presentation

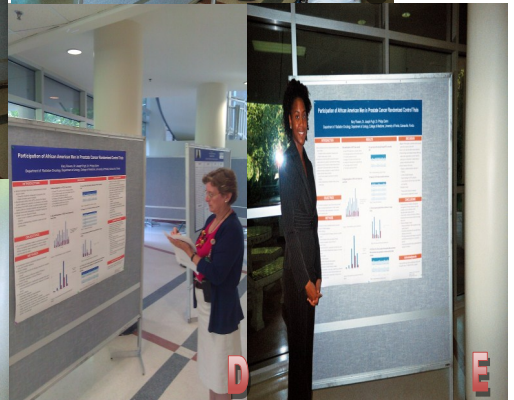
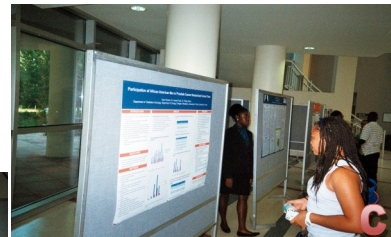
In addition to an oral presentation a poster presentation took place as well. The posters were displayed by the stairwell of the pharmacy side of UF's NPHP building . For two hours judges, family, friends, UF students and passerby were able to stop by the posters and see what the projects were that summer.

For Kacy that part of the experience was a great precursor to the oral presentation. It gave her extra practice for the oral presentation. Most importantly it allowed for her to explain her research in a more personal way in which she was able to have one on one time with the audience and answer any questions and concerns about the research. In her opinion that form of presenting gives her the perfect opportunity to ex-

plain to others the importance of black males participation in randomized controlled trials of prostate cancer.

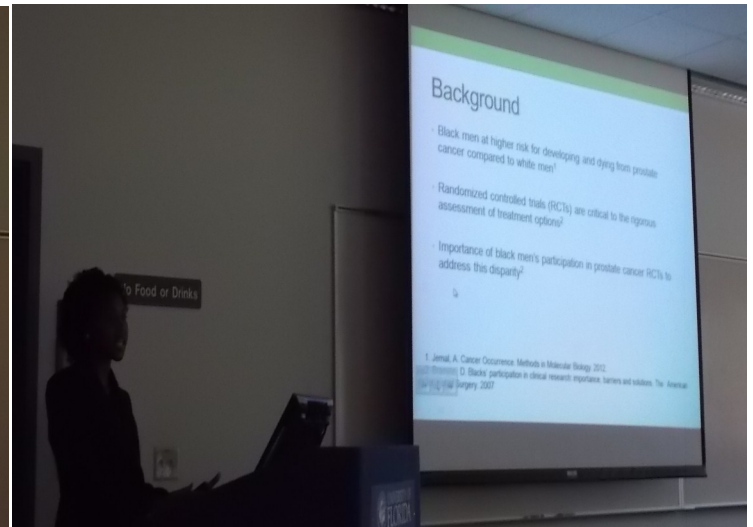
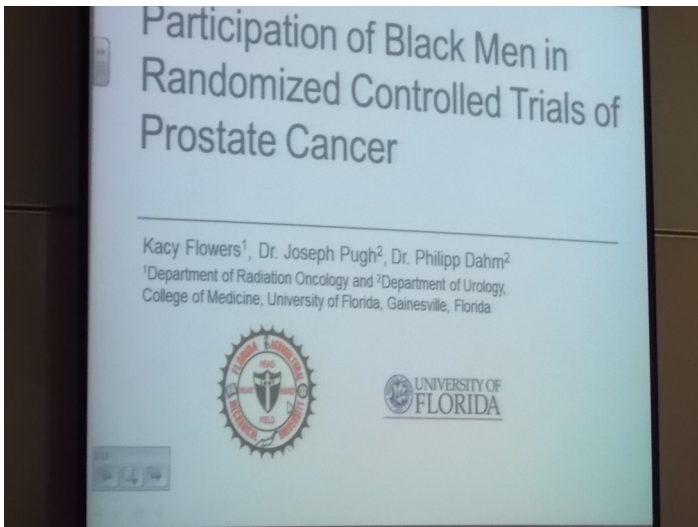


Kacy presenting her poster



A. Kacy presenting her poster, B. the busy Poster presentation site C. UF student viewing Kacy's poster D. A judge making notes on Kacy's poster, E. Kacy proudly standing by her poster

More Moments from Kacy's Summer in ReTool





2012

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders Program



[Type text]

Chloe Martin
Florida A&M University
8/3/2012

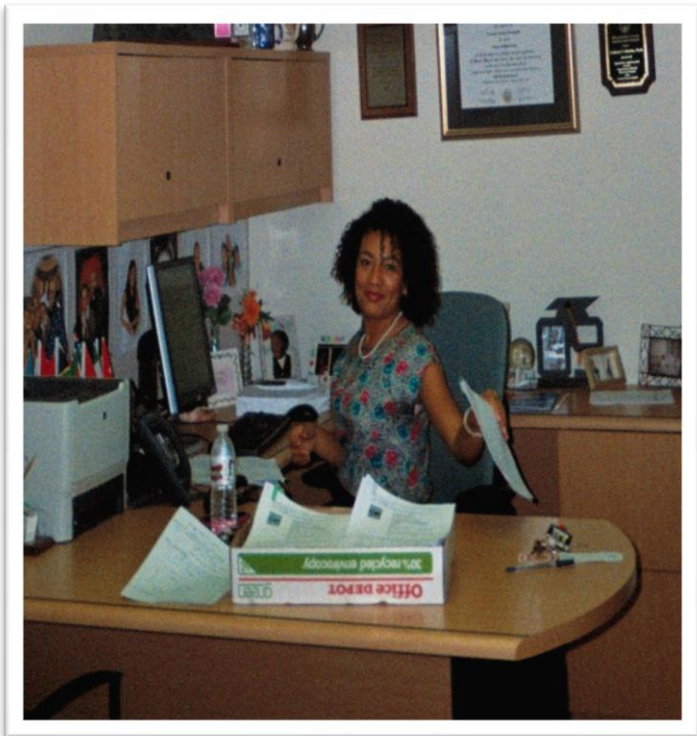


Meeting new people!

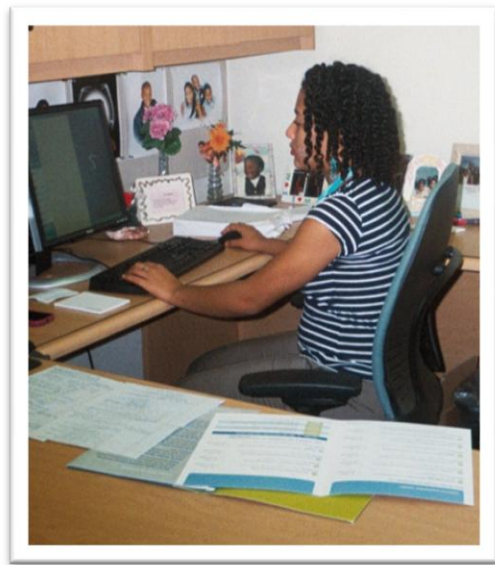
I am so happy that I had the opportunity to meet Ms. Faye this summer! She is one of the librarians in the University of Florida Health Science Library and has been a great resource for me.



My project really gave me a great head start on adopting the attitude of a well-read graduate student



My mentor, Dr. Folakemi Odedina, did a great job with introducing me to everyone she knew in the Urology Department at University of Florida and making me feel welcomed and very comfortable.





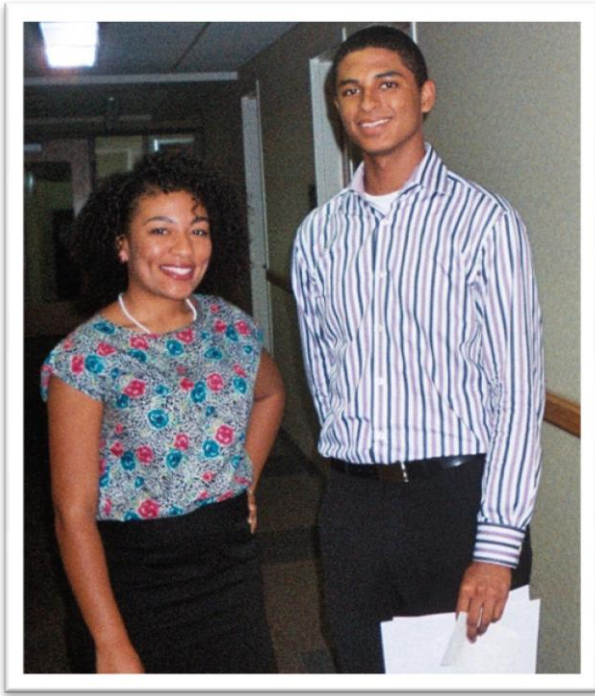
Community outreach was an awesome experience. I met so many new people and really felt like I was making a direct impact on the lives of the men I spoke with. All of the men expressed great appreciation for our efforts.





Crunch Time!

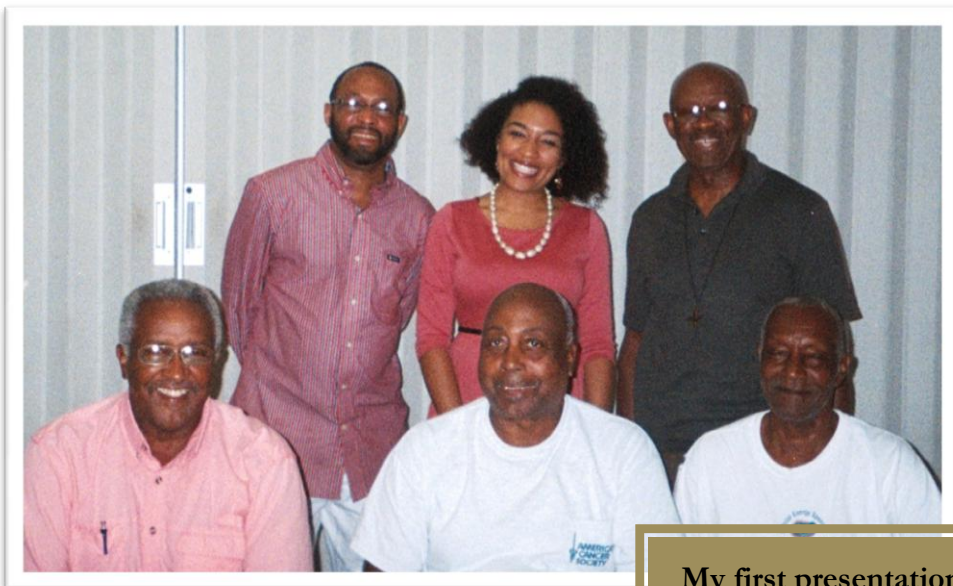
Wrapping up the project was definitely bitter sweet. I was happy and so proud of how far I had come, but still not ready to say goodbye to all of the wonderful people I met.



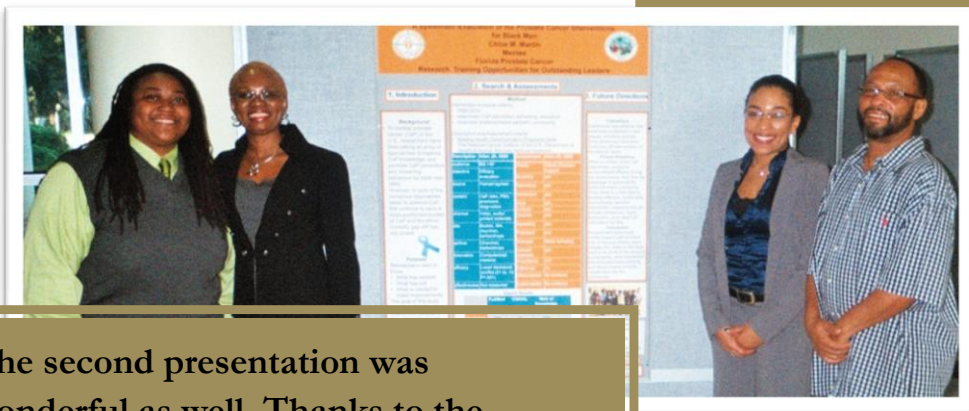
I am so glad that Dr. Odedina took the time out to prepare me for the final presentation. She helped to make sure my presentation was a clear reflection of all of the work I have done.



I also was blessed to have the support of my loving father, who also wanted to make sure I was ready for my final presentations. Between the both of them, I was definitely ready to present!



My first presentation was at the American Cancer Society Man to Man group in Gainesville, FL. It was absolutely lovely to have the opportunity to present my findings to the population who needs to hear it the most; the men who are at highest risk for prostate cancer. The men were elated to hear the presentation, and plan to use the results of my project in the design of their next annual community health fair.

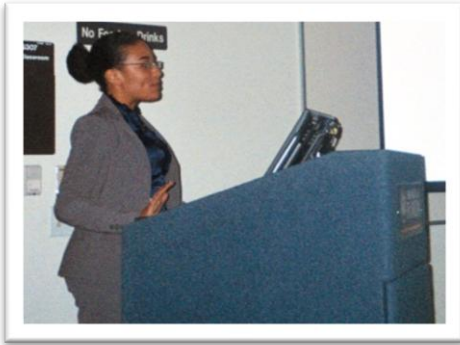


The second presentation was wonderful as well. Thanks to the consistent, timely, and efficient work of our program coordinator, Ms. Shannon Pressey all of the presenters were given beautifully printed research posters that were waiting for us upon our arrival.

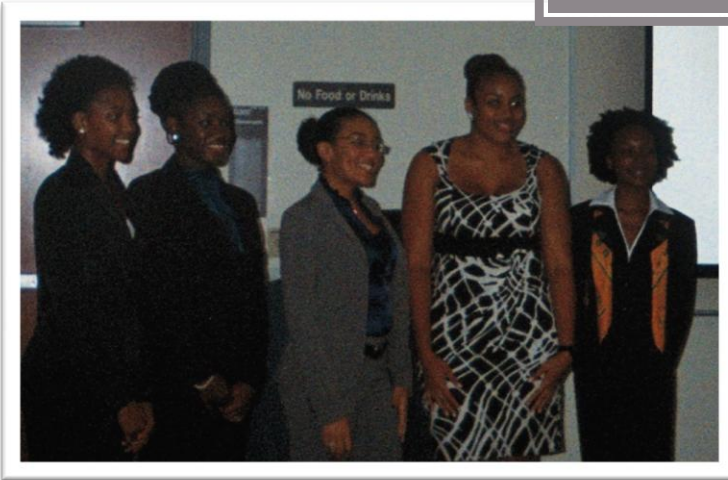


Everyone had such a great time during the poster session. It was a great way for the audience to interact with the presenters and give everyone an overview of what our oral presentations will be about.





The third and final presentation was also great! Although I felt my stomach twisting into knots with nervousness, when the time came for me to speak, everything flowed and I did a great job. So great, that I won second place!





Dr. Odedina and I were very happy and proud of my accomplishments. I feel blessed to have met such a wonderful mentor who I feel genuinely cares about my success. She is an awesome researcher with an awesome personality. All in all, I am very pleased with how much I have grown in this program and am looking forward to celebrating all of the future successes that will come from this growth. Thank you all!!

APPENDIX XI

Participant Information.	
ReTOOL Survey type (check one)	<input type="checkbox"/> Y1 Baseline data (May) <input type="checkbox"/> Y1 Follow up (Nov) <input type="checkbox"/> Y2 May Follow up <input type="checkbox"/> Y2 Nov Follow up <input type="checkbox"/> Y3 May Follow up <input type="checkbox"/> Y3 Nov Follow up <input type="checkbox"/> Y4 May Follow up <input type="checkbox"/> Y4 Nov Follow up <input type="checkbox"/> Y5 May Follow up <input type="checkbox"/> Y5 Nov Follow up
Survey ID	
Date	
Name of interviewer	
Number of calls (check each time organization was contacted)	1 2 3 4 5 6 7 8 9 10

Hello, my name is (FULL NAME) and I'm a research assistant calling on behalf of the University of Florida ReTOOL program. I understand that you have been accepted to participate in the ReTOOL summer program beginning in May. We are contacting you to get some baseline information from you in order to document the effectiveness of the ReTOOL program.

Is this a good time for you? **(IF YES, CONTINUE. IF NO, SCHEDULE A CALL BACK TIME.)**

ONCE CONFIRMED: (Read the following carefully to the participant)

As you are aware, the ReTOOL program is a prostate cancer research training program for minority students at Florida A&M University (FAMU). To evaluate the effectiveness of the program, the UF Survey Research Center (UFSRC) will track trainees through bi-annual surveys for five years after participation in the program to determine their career progress. Today, we just want to get some background information from you to assist us with the future evaluations.

Do you have any questions for me about this survey? **(IF NO, CONTINUE. IF YES, ANSWER THE QUESTIONS.)**

Section I – Background & Contact Information

My first series of questions is about your background and contact information.

What is your last name?	
What are your first and middle names?	
What is/are your current phone numbers?	
What is/are your email address(es)?	
What is your current address?	
What is your permanent address?	
Given that we will need to contact you in the future to continue to track how the ReTOOL program impacted your career; please provide phone numbers, e-mail addresses, and/or home addresses that are best contacts to reach you within the next year.	
What is your racial background? (check one)	<input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian (e.g. Indian, Japanese, Chinese) <input type="checkbox"/> White/Caucasian____ <input type="checkbox"/> Other (please specify) _____
Are you Hispanic, Latino or of Spanish origin? (check one)	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your gender? (check one)	<input type="checkbox"/> Male <input type="checkbox"/> Female
How old are you?	

Section I – Academic Institution Information

My next series of questions is about your academic program and institution.

Which institution do you currently attend?	
What is your major?	
What is your minor?	
What is your academic department?	
Which college is your academic department located?	
What is your Academic Year (select one):	<input type="checkbox"/> Freshman <input type="checkbox"/> Sophomore <input type="checkbox"/> Junior <input type="checkbox"/> Senior <input type="checkbox"/> Masters level <input type="checkbox"/> PhD level <input type="checkbox"/> Medical school <input type="checkbox"/> Other professional School (state)
When is your anticipated graduation year?	

Section III – Research Interests & ReTOOL Program Information

Finally, the next series of questions is about your research interests.

Who is your primary mentor for the ReTOOL program?	
What is your area of research? (check one):	<input type="checkbox"/> Basic Sciences <input type="checkbox"/> Biomedical Sciences <input type="checkbox"/> Clinical Sciences <input type="checkbox"/> Population Sciences
At this time, what would you say are your research interests?	
At this time, what would you say is your career plan?	
What is your expectation for the ReTOOL program?	

Thank you for participating in this survey. Do you have anything else you would like to share with us about yourself or the ReTOOL program?

Thanks. END.

APPENDIX XII

Participant Information.	
ReTOOL Survey type (check one)	<input type="checkbox"/> Y1 Baseline data (May) <input type="checkbox"/> Y1 Follow up (Nov) <input type="checkbox"/> Y2 May Follow up <input type="checkbox"/> Y2 Nov Follow up <input type="checkbox"/> Y3 May Follow up <input type="checkbox"/> Y3 Nov Follow up <input type="checkbox"/> Y4 May Follow up <input type="checkbox"/> Y4 Nov Follow up <input type="checkbox"/> Y5 May Follow up <input type="checkbox"/> Y5 Nov Follow up
Survey ID	
Date	
Name of interviewer	
Number of calls (check each time organization was contacted)	1 2 3 4 5 6 7 8 9 10

Hello, my name is (FULL NAME) and I'm a research assistant calling on behalf of the University of Florida ReTOOL program. I understand that you participated in the ReTOOL summer program in 20____ (state year). We are contacting you to get some information from you in order to document the effectiveness of the ReTOOL program.

Is this a good time for you? **(IF YES, CONTINUE. IF NO, SCHEDULE A CALL BACK TIME.)**

ONCE CONFIRMED: (Read the following carefully to the participant)

As you are aware, the ReTOOL program is a prostate cancer research training program for minority students at Florida A&M University (FAMU). To evaluate the effectiveness of the program, the UF Survey Research Center (UFSRC) will track the ReTOOL program participants through bi-annual surveys for five years after participation in the program to determine their career progress. Today, we will be asking you questions about your career and your feedback about the ReTOOL program.

Do you have any questions for me about this survey? **(IF NO, CONTINUE. IF YES, ANSWER THE QUESTIONS.)**

Section I – Background & Contact Information

My first series of questions is to reconfirm your background and contact information.

What is your last name?	
What are your first and middle names?	
What is/are your current phone numbers?	
What is/are your email address(es)?	
What is your current address?	
What is your permanent address?	
Given that we will need to contact you in the future to continue to track how the ReTOOL program impacted your career; please provide phone numbers, e-mail addresses, and/or home addresses that are best contacts to reach you within the next year.	
What is your racial background? (check one)	<input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian (e.g. Indian, Japanese, Chinese) <input type="checkbox"/> White/Caucasian____ <input type="checkbox"/> Other (please specify) _____
Are you Hispanic, Latino or of Spanish origin? (check one)	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your gender? (check one)	<input type="checkbox"/> Male <input type="checkbox"/> Female
How old are you?	

Section II – Academic Institution Information

My next series of questions is about your academic background.

Are you currently enrolled in school as undergraduate, professional or graduate students?	
<input type="checkbox"/> Yes (If yes, continue with the questions below)	
<input type="checkbox"/> No (If No, go to Section III)	
Which institution do you currently attend?	
What is your major?	
What is your minor?	
What is your academic department?	
Which college is your academic department located?	
What is your Academic Year (select one):	<input type="checkbox"/> Freshman <input type="checkbox"/> Sophomore <input type="checkbox"/> Junior <input type="checkbox"/> Senior <input type="checkbox"/> Masters level <input type="checkbox"/> PhD level <input type="checkbox"/> Medical school <input type="checkbox"/> Other professional School (state)
When is your anticipated graduation year?	

Section III – Employment information

Are you currently employed?	
<input type="checkbox"/> Yes (If yes, continue with the questions below)	
<input type="checkbox"/> No (If No, go to Section IV)	
Where are you employed?	
What is your job title and/or position?	
Please provide your work phone number, email address and business address.	

Does your job involve research and if yes, what type of research?	
Does your job involve health care, and if yes, what type of health care service?	

Section IV – Research Careers & Scholarly Activities

The next series of questions is about your research interests.

At this time, what would you say are your research interests?	
What is your area of research? (check one):	<input type="checkbox"/> Basic Sciences <input type="checkbox"/> Biomedical Sciences <input type="checkbox"/> Clinical Sciences <input type="checkbox"/> Population Sciences <input type="checkbox"/> None, not interested in research
At this time, what would you say is your career plan?	
What are some of your scholarly achievements since your participation in the ReTOOL program? (check all that apply and complete relevant questions)	

☐ Now attending / attended graduate school

- Institution _____

- Department & Degree _____

- Specialized Area _____

- Graduation Year _____

☐ Now attending / attended medical school

- Institution _____

- Specialized Area _____

- Graduation Year _____

☐ Focused interest in prostate cancer.

☐ Focused interest in cancer.

☐ Presented at national/international conferences (list below)

☐ Published in peer-review publications (list below)

☐ Received awards for my work (list below)

☐ New appointments or leadership initiatives (list below)

What are some other scholarly activities that you think you have achieved since your participation in the ReTOOL project?

Section IV – ReTOOL Program Evaluation

On a scale of 1 – 5, with 5 being the best, please state your overall evaluation of the following components of the ReTOOL program.

	1	2	3	4	5
The preparatory courses provided during the program.					
The research training experiences provided by the program.					
Your interactions with your mentor.					
The quality of the mentoring experiences.					
Overall satisfaction with the training program.					
The quality of the training program.					
The ability of the program to prepare me for career in the area of prostate cancer.					
Communications with ReTOOL program mentor, director or staff.					

Which of the following ReTOOL program personnel do you still communicate with?

- ☐ UF Program Director, Dr. Folakemi Odedina
- ☐ FAMU Faculty Advisor, Dr. Renee Reams
- ☐ UF ReTOOL Program Manager or Staff (state name _____)
- ☐ My mentor (state name _____)
- ☐ Other (state name _____)

What did you like least about the ReTOOL program and why?

What did you like best about the ReTOOL program and why?

In your own words, please state how the ReTOOL program has impacted your career.

Thank you for participating in this survey. Do you have anything else you would like to share with us about yourself or the ReTOOL program?

Thanks. END.

APPENDIX XIII

Participant Information.	
34 ReTOOL Survey type (check one)	<input type="checkbox"/> Y1 Baseline data (May) <input type="checkbox"/> Y2 May Follow up <input type="checkbox"/> Y3 May Follow up <input type="checkbox"/> Y4 May Follow up <input type="checkbox"/> Y5 May Follow up
Survey ID	
Date	
Name of interviewer	
Number of calls (check each time organization was contacted)	1 2 3 4 5 6 7 8 9 10

Hello, my name is (FULL NAME) and I'm a research assistant calling on behalf of the University of Florida ReTOOL program. We are contacting you because you are one of the mentors for the ReTOOL program students. We would like to get some baseline information from you in order to document the effectiveness of the ReTOOL program.

Is this a good time for you? **(IF YES, CONTINUE. IF NO, SCHEDULE A CALL BACK TIME.)**

ONCE CONFIRMED: (Read the following carefully to the participant)

As you are aware, the ReTOOL program is a prostate cancer research training program for minority students at Florida A&M University (FAMU). To evaluate the effectiveness of the program, the UF Survey Research Center (UFSRC) will survey mentors through annual surveys for five years to determine program effectiveness. Today, we just want to get some background information from you to assist us with the future evaluations.

Do you have any questions for me about this survey? **(IF NO, CONTINUE. IF YES, ANSWER THE QUESTIONS.)**

Section I – Background & Contact Information

My first series of questions is about your background and contact information.

Confirm mentor's name	
What is/are your current phone numbers?	
What is/are your email address(es)?	
Given that we will need to contact you in the future to continue to track the effectiveness of the ReTOOL program; please provide phone numbers, e-mail addresses, and/or addresses that are best contacts to reach you within the next year.	
What is your racial background? (check one)	<input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian (e.g. Indian, Japanese, Chinese) <input type="checkbox"/> White/ Caucasian_____ <input type="checkbox"/> Other (please specify) _____
Are you Hispanic, Latino or of Spanish origin? (check one)	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your gender? (check one)	<input type="checkbox"/> Male <input type="checkbox"/> Female

Section I – Academic Institution Information

My next series of questions is about your academic institution and research interests.

Current employer?	
What are your academic department and college?	
What is your current work address?	
What is your Academic Title:	<input type="checkbox"/> Assistant Professor <input type="checkbox"/> Associate Professor <input type="checkbox"/> Full Professor <input type="checkbox"/> Other (state)
What is your area of research? (check one):	<input type="checkbox"/> Basic Sciences <input type="checkbox"/> Biomedical Sciences <input type="checkbox"/> Clinical Sciences <input type="checkbox"/> Population Sciences
Please provide us with key words for your area of expertise.	

Section III – The ReTOOL Program Information

Finally, the next series of questions is about the ReTOOL program.

Who is your primary mentee for this year's ReTOOL program?	
Were you involved in the selection of your mentee?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your expectation for your mentee?	
What is your expectation for the ReTOOL program?	

Thank you for participating in this survey. Do you have anything else you would like to share with us about yourself or the ReTOOL program?

Thanks. END.

APPENDIX XIV

Participant Information.	
34 ReTOOL Survey type (check one)	<input type="checkbox"/> Y1 Baseline data (May) <input type="checkbox"/> Y2 May Follow up <input type="checkbox"/> Y3 May Follow up <input type="checkbox"/> Y4 May Follow up <input type="checkbox"/> Y5 May Follow up
Survey ID	
Date	
Name of interviewer	
Number of calls (check each time organization was contacted)	1 2 3 4 5 6 7 8 9 10

Hello, my name is (FULL NAME) and I'm a research assistant calling on behalf of the University of Florida ReTOOL program. We are contacting you because you are one of the mentors for the ReTOOL program students. We are doing a follow-up survey to document the effectiveness of the ReTOOL program.

Is this a good time for you? **(IF YES, CONTINUE. IF NO, SCHEDULE A CALL BACK TIME.)**

ONCE CONFIRMED: (Read the following carefully to the participant)

As you are aware, the ReTOOL program is a prostate cancer research training program for minority students at Florida A&M University (FAMU). To evaluate the effectiveness of the program, the UF Survey Research Center (UFSRC) will survey mentors annually for five years, from 2012 to 2017. Today, we will be asking you general questions about your experiences as a mentor for the ReTOOL program.

Do you have any questions for me about this survey? **(IF NO, CONTINUE. IF YES, ANSWER THE QUESTIONS.)**

Section I – Background & Contact Information

My first series of questions is to reconfirm your background and contact information.

Confirm mentor's name	
What is/are your current phone numbers?	
What is/are your email address(es)?	
Given that we will need to contact you in the future to continue to track the effectiveness of the ReTOOL program; please provide phone numbers, e-mail addresses, and/or addresses that are best contacts to reach you within the next year.	
What is your racial background? (check one)	<input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian (e.g. Indian, Japanese, Chinese) <input type="checkbox"/> White/ Caucasian____ <input type="checkbox"/> Other (please specify) _____
Are you Hispanic, Latino or of Spanish origin? (check one)	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your gender? (check one)	<input type="checkbox"/> Male <input type="checkbox"/> Female

My next series of questions is about your academic institution and research interests.

Current employer?	
What are your academic department and college?	
What is your current work	

address?	
What is your Academic Title:	<input type="checkbox"/> Assistant Professor <input type="checkbox"/> Associate Professor <input type="checkbox"/> Full Professor <input type="checkbox"/> Other (state)
What is your area of research? (check one):	<input type="checkbox"/> Basic Sciences <input type="checkbox"/> Biomedical Sciences <input type="checkbox"/> Clinical Sciences <input type="checkbox"/> Population Sciences
Please provide us with key words for your area of expertise.	

Section III – The ReTOOL Program Information

The next series of questions is about the ReTOOL program.

Were you assigned a mentee for this year's ReTOOL program? <input type="checkbox"/> Yes (If yes, continue with the questions below) <input type="checkbox"/> No (If No, go to Section IV)	
Who is your primary mentee for this year's ReTOOL program?	
Were you involved in the selection of your mentee?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your expectation for this mentee?	
What is your expectation for the ReTOOL program?	

Section IV – Research Careers & Scholarly Activities

The next series of questions is about your experiences with your previous mentee(s)

Not counting your current ReTOOL student, how many students have you mentored under the ReTOOL program? What are their names?	
Do you know where your previous ReTOOL mentee(s) are, i.e. their academic program or employment? <input type="checkbox"/> Yes (please state) <input type="checkbox"/> No	
What are some of the scholarly collaborations you had with your ReTOOL mentee(s)? (check all that apply and complete relevant questions)	
<input type="checkbox"/> Presented at national/international conferences (list below) <input type="checkbox"/> Published in peer-review publications (list below) <input type="checkbox"/> Received awards for our work (list below) <input type="checkbox"/> New appointments or leadership initiatives due to our work (list below) <input type="checkbox"/> Other scholarly accomplishments (list below)	

Section IV – ReTOOL Program Evaluation

On a scale of 1 – 5, with 5 being the best, please state your overall evaluation of the following components of the ReTOOL program.

	1	2	3	4	5
The preparatory courses provided to students during the program.					
The research training experiences provided to the students.					
Your interactions with your mentee(s).					
The quality of the mentor-mentee relationship.					
Overall satisfaction with your mentee(s).					
The quality of the training program.					
The ability of the program to prepare my mentee(s) for career in the area of prostate cancer.					
Communications with my mentee(s).					

Please list your ReTOOL mentee(s) that you still communicate with?

What did you like least about the ReTOOL program and why?

What did you like best about the ReTOOL program and why?

In your own words, please state how the ReTOOL program has impacted your career as a scientist.

Thank you for participating in this survey. Do you have anything else you would like to share with us about yourself or the ReTOOL program?

Thanks. END.